



STIC Search Report

EIC 1700

STIC Database Tracking Number: 166090

TO: Eisa Elhilo
Location: REM 9A60
Art Unit : 1751
September 28, 2005

Case Serial Number: 10/729851

From: Kathleen Fuller
Location: EIC 1700
REMSSEN 4B28
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Kathleen.Fuller@uspto.gov

Search Notes



STIC Search Results Feedback Form

EIC17000

Questions about the scope or the results of the search? Contact *the EIC searcher* or contact:

Kathleen Fuller, EIC 1700 Team Leader
571/272-2505 REMSEN 4B28

Voluntary Results Feedback Form

- I am an examiner in Workgroup: Example: 1713
- Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
(journal articles, conference proceedings, new product announcements etc.)

- Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

=> file reg

FILE 'REGISTRY' ENTERED AT 11:42:22 ON 28 SEP 2005

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STRUCTURE FILE UPDATES: 27 SEP 2005 HIGHEST RN 864057-55-6

DICTIONARY FILE UPDATES: 27 SEP 2005 HIGHEST RN 864057-55-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

Structure search iteration limits have been increased. See HELP SLIMITS for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> file hcaplu

FILE 'HCAPLUS' ENTERED AT 11:42:28 ON 28 SEP 2005

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FILE COVERS 1907 - 28 Sep 2005 VOL 143 ISS 14

FILE LAST UPDATED: 27 Sep 2005 (20050927/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d que 127

L10 4665 SEA FILE=REGISTRY ABB=ON 15214-89-8/CRN
L11 STR

Ak 1

*component registry
number for claim 23
monomer*

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED
ECOUNT IS M6 C AT 1*Covers R₂ of claim 31 - 0-50 carbon
atoms*

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 1*1100 polymers*

STEREO ATTRIBUTES: NONE

L15 1100 SEA FILE=REGISTRY SUB=L10 SSS FUL L11
L16 724 SEA FILE=HCAPLUS ABB=ON L15
L17 27 SEA FILE=HCAPLUS ABB=ON L16 AND (HAIR OR KERAT?)
L18 27 SEA FILE=HCAPLUS ABB=ON L17 AND COSMETIC?/SC, SX
L19 14 SEA FILE=HCAPLUS ABB=ON L17 AND COS/RL
L20 27 SEA FILE=HCAPLUS ABB=ON L18 OR L19
L22 5649 SEA FILE=HCAPLUS ABB=ON L10
L23 89 SEA FILE=HCAPLUS ABB=ON L22 (L) (HAIR OR KERAT?)
L24 80 SEA FILE=HCAPLUS ABB=ON L23 AND COSMETIC?/SC
L25 8 SEA FILE=HCAPLUS ABB=ON L24 AND HYDROPHOB?
L26 14 SEA FILE=HCAPLUS ABB=ON L24 AND ?PEROX?
L27 39 SEA FILE=HCAPLUS ABB=ON L20 OR L25 OR L26*39 CA references with
utility*

=> d 127 bib abs ind hitstr 1-39

L27 ANSWER 1 OF 39 HCAPLUS. COPYRIGHT 2005 ACS on STN

AN 2005:673069 HCAPLUS

DN 143:158720

TI Oxidative treatment agent, particularly in the form of a transparent gel

IN Cassier, Thorsten; Lede, Michael

PA Wella Aktiengesellschaft, Germany

SO PCT Int. Appl., 39 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005067874	A1	20050728	WO 2005-EP68	20050107
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	DE 102004002349	A1	20050811	DE 2004-102004002349	20040116
PRAI	DE 2004-102004002349 A		20040116		

AB Disclosed is a preferably clear or transparent gel-type agent for performing oxidative treatments in different fields of application, e.g. in cosmetics, dental technol., pharmaceuticals, and cleaning agents. The inventive agent is particularly well suited for use in cosmetic hair treatments such as bleaching, oxidative hair dyeing, and permanent changes of hair shape. The inventive agent contains a mixture of an oxidant, at least one peroxide stabilizer, at least one specific polymer thickener, and water or an aqueous solvent.

IC ICM A61K007-11
ICS A61K007-135

CC 62-3 (Essential Oils and Cosmetics)
Section cross-reference(s): 63

ST oxidizing agent cosmetics hair dentistry

IT Sulfobetaines
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(N-alkyl derivs.; oxidative treatment agent, particularly in the form of a transparent gel)

IT Hair preparations
(bleaches; oxidative treatment agent, particularly in the form of a transparent gel)

IT Detergents
(cleaning compns.; oxidative treatment agent, particularly in the form of a transparent gel)

IT Cosmetics
Drug delivery systems
(gels; oxidative treatment agent, particularly in the form of a transparent gel)

IT Naphtha
RL: MOA (Modifier or additive use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(hydrotreated heavy, stabilizer; oxidative treatment agent, particularly in the form of a transparent gel)

IT Cosmetics
Oxidizing agents
Solvents
Viscosity
pH
(oxidative treatment agent, particularly in the form of a transparent gel)

IT Polyoxyalkylenes, biological studies
RL: MOA (Modifier or additive use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(oxidative treatment agent, particularly in the form of a transparent gel)

IT Stabilizing agents
(peroxide; oxidative treatment agent, particularly in the form of a transparent gel)

IT Thickening agents
(polymeric; oxidative treatment agent, particularly in the form of a transparent gel)

IT Paraffin oils
RL: MOA (Modifier or additive use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(stabilizer; oxidative treatment agent, particularly in the form of a transparent gel)

IT Peroxides, biological studies
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(stabilizers for; oxidative treatment agent, particularly in the form of a transparent gel)

IT Polymers, biological studies

- RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(thickening agents; oxidative treatment agent, particularly in the form of a transparent gel)
- IT Dentifrices
(whiteners; oxidative treatment agent, particularly in the form of a transparent gel)
- IT 57-50-1D, Sucrose, Et ethers 115-77-5D, Pentaerythritol, Et ethers
RL: MOA (Modifier or additive use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(linkers; oxidative treatment agent, particularly in the form of a transparent gel)
- IT 79-10-7D, Acrylic acid, copolymers 88-12-0D, copolymers 1343-88-0D, Magnesium silicate, alkali compds. 11120-02-8D, hydroxyalkyl derivs.
RL: COS (Cosmetic use); MOA (Modifier or additive use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(oxidative treatment agent, particularly in the form of a transparent gel)
- IT 1305-79-9, Calcium peroxide 7681-55-2, Sodium iodate 7722-84-1, Hydrogen peroxide, biological studies 7727-54-0, Ammonium persulfate 13843-59-9, Ammonium bromate 17097-12-0, Ammonium perborate
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(oxidative treatment agent, particularly in the form of a transparent gel)
- IT 64-02-8 107-15-3, Ethylenediamine, biological studies 3794-83-0, Tetrasodium 1-hydroxyethane-1,1-diphosphonate 9003-01-4D, Polyacrylic acid, crosslinking products 25087-26-7D, Polymethacrylic acid, crosslinking products 37406-24-9, Tetrasodium iminodisuccinate 101659-01-2, Sodium magnesium silicate 335383-60-3
RL: MOA (Modifier or additive use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(oxidative treatment agent, particularly in the form of a transparent gel)
- IT 56-81-5, 1,2,3-Propanetriol, biological studies 126026-61-7D, Amidobetaine, N-alkyl derivs.
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(oxidative treatment agent, particularly in the form of a transparent gel)
- IT 62-44-2, N-(4-Ethoxyphenyl)acetamide 69-72-7, Salicylic acid, biological studies 103-90-2, p-Acetamidophenol 2809-21-4, 1-Hydroxyethane-1,1-diphosphonic acid 7558-79-4, Disodium phosphate 25322-68-3, Polyethylene glycol 25751-21-7, Acrylic acid-methacrylic acid copolymer 25751-22-8, Acrylamide-acrylic acid-methacrylic acid copolymer 26161-33-1, Polyquaternium 37 37318-79-9, Sorbitan oleate 150599-70-5, Polyquaternium 44 766540-87-8
RL: MOA (Modifier or additive use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(stabilizer; oxidative treatment agent, particularly in the form of a transparent gel)
- IT 148-24-3D, Oxyquinoline, salts
RL: MOA (Modifier or additive use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(stabilizers; oxidative treatment agent, particularly in the form of a transparent gel)
- IT 766540-87-8
RL: MOA (Modifier or additive use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(stabilizer; oxidative treatment agent, particularly in the form of a transparent gel)

RN 766540-87-8 HCAPLUS

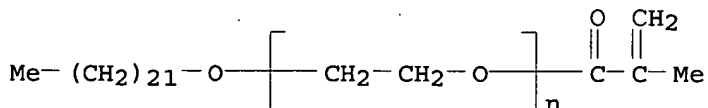
CN 1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propenyl)amino]-, monoammonium salt, polymer with α -(2-methyl-1-oxo-2-propenyl)- ω -(docosyloxy)poly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

CM 1

CRN 115047-92-2

CMF (C2 H4 O)_n C26 H50 O2

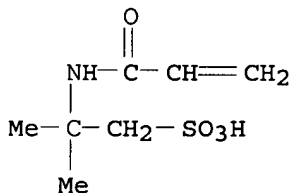
CCI PMS

*claim 31**date is too new*

CM 2

CRN 58374-69-9

CMF C7 H13 N O4 S . H3 N

*claim 23*● NH₃RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 2 OF 39 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2005:404904 HCAPLUS

DN 142:451465

TI Cosmetic, pharmaceutical and dermatological preparations containing N-vinylcaprolactam-acrylamidomethylpropane sulfonic acid-acrylate copolymers

IN Milbradt, Robert; Stelter, Wibke; Hornung, Michael; Lo Vasco, Sebastiano

PA Clariant G.m.b.H., Germany

SO Ger. Offen., 41 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 102004050239	A1	20050512	DE 2004-102004050239	20041015
PRAI	DE 2004-102004050239		20041015		

AB The invention concerns cosmetic, pharmaceutical and dermatol. prepns. that contain copolymers of N-vinylcaprolactam with acrylamidomethylpropane

sulfonic acid and monomers with at least two olefinic double bonds. Thus a copolymer was synthesized from 2-acrylamido-2-methylpropane sulfonic acid, N-vinylcaprolactam and methacrylic acid allyl ester. The copolymer was included as a 0.40 weight/weight% ingredient in a skin lotion that further contained (weight/weight%): Hostaphat KL 340 D 1.00; mineral oil, low viscosity 8.00; iso-Pr palmitate 3.00; cetearyl alc. 0.50; Myritol 318 2.00; Tegin M 0.50; SilCare 41M15 1.00; glycerin 5.00; perfume 0.30; alc. 5.00; tocopheryl acetate 1.00; Nipaguard PDU q.s.; water to 100.

IC ICM A61K007-40

ICS A61K007-42; A61K007-48; A61K007-02; A61K007-021; A61K047-32;
A61K007-13

CC 62-4 (Essential Oils and Cosmetics)

Section cross-reference(s): 38, 63

ST vinylcaprolactam acrylamidomethylpropane sulfonate acrylate copolymer
cosmetics skin hair

IT Polysiloxanes, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

([(aminoethyl)aminopropyl hydroxy, di-Me, trimethylsilyl-terminated;
cosmetic, pharmaceutical and dermatol. preps. containing
N-vinylcaprolactam-acrylamidomethylpropane sulfonic acid-acrylate
copolymers)

IT Acne

(antiacne gels; cosmetic, pharmaceutical and dermatol. preps. containing
N-vinylcaprolactam-acrylamidomethylpropane sulfonic acid-acrylate
copolymers)

IT Cosmetics

(cleansing; cosmetic, pharmaceutical and dermatol. preps. containing
N-vinylcaprolactam-acrylamidomethylpropane sulfonic acid-acrylate
copolymers)

IT Polymers, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(co-; cosmetic, pharmaceutical and dermatol. preps. containing
N-vinylcaprolactam-acrylamidomethylpropane sulfonic acid-acrylate
copolymers)

IT Abrasives

Dyes

Pigments, nonbiological

Sunscreens

(cosmetic, pharmaceutical and dermatol. preps. containing
N-vinylcaprolactam-acrylamidomethylpropane sulfonic acid-acrylate
copolymers)

IT Polysiloxanes, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(cosmetic, pharmaceutical and dermatol. preps. containing
N-vinylcaprolactam-acrylamidomethylpropane sulfonic acid-acrylate
copolymers)

IT Dyes

(direct; cosmetic, pharmaceutical and dermatol. preps. containing
N-vinylcaprolactam-acrylamidomethylpropane sulfonic acid-acrylate
copolymers)

IT Bath preparations

(douches; cosmetic, pharmaceutical and dermatol. preps. containing
N-vinylcaprolactam-acrylamidomethylpropane sulfonic acid-acrylate
copolymers)

IT Hair preparations

(dyes, oxidative; cosmetic, pharmaceutical and dermatol. preps. containing
N-vinylcaprolactam-acrylamidomethylpropane sulfonic acid-acrylate
copolymers)

IT Hair preparations

(dyes; cosmetic, pharmaceutical and dermatol. preps. containing

- N-vinylcaprolactam-acrylamidomethylpropane sulfonic acid-acrylate copolymers)
- IT Cosmetics
(emulsions; cosmetic, pharmaceutical and dermatol. prepns. containing N-vinylcaprolactam-acrylamidomethylpropane sulfonic acid-acrylate copolymers)
- IT Cosmetics
(foams; cosmetic, pharmaceutical and dermatol. prepns. containing N-vinylcaprolactam-acrylamidomethylpropane sulfonic acid-acrylate copolymers)
- IT Cosmetics
Hair preparations
(gels; cosmetic, pharmaceutical and dermatol. prepns. containing N-vinylcaprolactam-acrylamidomethylpropane sulfonic acid-acrylate copolymers)
- IT Carboxylic acids, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(hydroxy; cosmetic, pharmaceutical and dermatol. prepns. containing N-vinylcaprolactam-acrylamidomethylpropane sulfonic acid-acrylate copolymers)
- IT Cosmetics
(lotions; cosmetic, pharmaceutical and dermatol. prepns. containing N-vinylcaprolactam-acrylamidomethylpropane sulfonic acid-acrylate copolymers)
- IT Cosmetics
(mascaras; cosmetic, pharmaceutical and dermatol. prepns. containing N-vinylcaprolactam-acrylamidomethylpropane sulfonic acid-acrylate copolymers)
- IT Cosmetics
(moisturizers; cosmetic, pharmaceutical and dermatol. prepns. containing N-vinylcaprolactam-acrylamidomethylpropane sulfonic acid-acrylate copolymers)
- IT Cosmetics
(nail lacquers, removers; cosmetic, pharmaceutical and dermatol. prepns. containing N-vinylcaprolactam-acrylamidomethylpropane sulfonic acid-acrylate copolymers)
- IT Emulsions
(oil-in-water; cosmetic, pharmaceutical and dermatol. prepns. containing N-vinylcaprolactam-acrylamidomethylpropane sulfonic acid-acrylate copolymers)
- IT Cosmetics
(sprays; cosmetic, pharmaceutical and dermatol. prepns. containing N-vinylcaprolactam-acrylamidomethylpropane sulfonic acid-acrylate copolymers)
- IT Hair preparations
(styling fluid; cosmetic, pharmaceutical and dermatol. prepns. containing N-vinylcaprolactam-acrylamidomethylpropane sulfonic acid-acrylate copolymers)
- IT Emulsions
(water-in-oil; cosmetic, pharmaceutical and dermatol. prepns. containing N-vinylcaprolactam-acrylamidomethylpropane sulfonic acid-acrylate copolymers)
- IT 50-21-5, Lactic acid, biological studies 79-14-1, Glycolic acid, biological studies 617-73-2, 2-Hydroxyoctanoic acid 7722-84-1, Hydrogen peroxide, biological studies 9006-65-9D, Dimethicone, ethoxylated/propoxylated derivs. 17955-88-3, Silcare 41M15 145686-34-6, Cetyl dimethicone copolyol 149531-86-2, Lauryldimethicone copolyol
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cosmetic, pharmaceutical and dermatol. prepns. containing

N-vinylcaprolactam-acrylamidomethylpropane sulfonic acid-acrylate copolymers)

IT 851388-47-1P 851388-48-2P

RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (cosmetic, pharmaceutical and dermatol. preps. containing N-vinylcaprolactam-acrylamidomethylpropane sulfonic acid-acrylate copolymers)

IT 851388-46-0P

RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (cosmetic, pharmaceutical and dermatol. preps. containing N-vinylcaprolactam-acrylamidomethylpropane sulfonic acid-allyl methacrylate copolymers)

IT 851388-47-1P 851388-48-2P

RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(cosmetic, pharmaceutical and dermatol. preps. containing N-vinylcaprolactam-acrylamidomethylpropane sulfonic acid-acrylate copolymers)

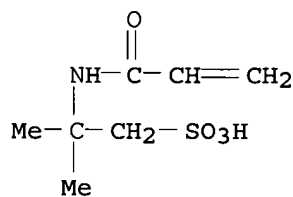
RN 851388-47-1 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-ethyl-2-[[[(2-methyl-1-oxo-2-propenyl)oxy]methyl]-1,3-propanediyl ester, polymer with 1-ethenylhexahydro-2H-azepin-2-one and 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid (9CI) (CA INDEX NAME)

CM 1

CRN 15214-89-8

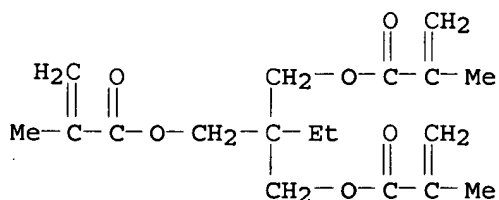
CMF C7 H13 N O4 S



CM 2

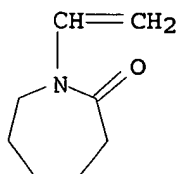
CRN 3290-92-4

CMF C18 H26 O6



CM 3

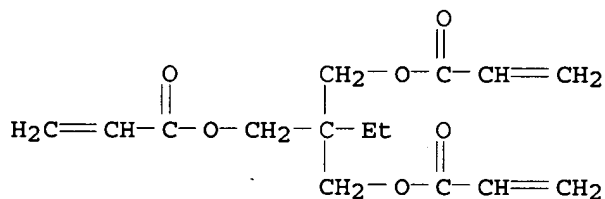
CRN 2235-00-9
CMF C8 H13 N O



RN 851388-48-2 HCAPLUS
CN 2-Propenoic acid, 2-ethyl-2-[[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediyl ester, polymer with 1-ethenylhexahydro-2H-azepin-2-one and 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid (9CI) (CA INDEX NAME)

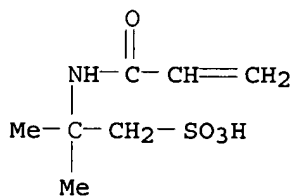
CM 1

CRN 15625-89-5
CMF C15 H20 O6



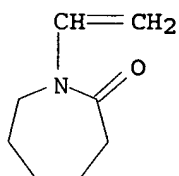
CM 2

CRN 15214-89-8
CMF C7 H13 N O4 S



CM 3

CRN 2235-00-9
CMF C8 H13 N O



L27 ANSWER 3 OF 39 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2005:303168 HCAPLUS

DN 142:360314

TI Polymeric gel system and compositions for treating keratin substrates containing same

IN Chen, Shih-Ruey T.

PA WSP Chemicals & Technology, LLC, USA

SO U.S. Pat. Appl. Publ., 17 pp., Cont.-in-part of U.S. Ser. No. 228,875.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2005074417	A1	20050407	US 2004-988366	20041112
	US 2003114315	A1	20030619	US 2002-228875	20020827
PRAI	US 2001-339630P	P	20011212		
	US 2002-228875	A2	20020827		

AB A cosmetically acceptable medium containing a component and an aqueous gel comprises water and: (a) a cationic polymer; (b) an anionic surfactant having from 8 to 22 carbon atoms, where the amount of the anionic surfactant is less than the amount of the cationic polymer; (c) an amphoteric surfactant, where the amount of the amphoteric surfactant is less than the amount of the cationic polymer; and (d) optionally a long chain amine oxide, where the amount of said long chain amine oxide is less than the amount of the cationic polymer. The component is selected from a cationic surfactant, a conditioning agent, a synthetic amphoteric polymer, a synthetic ampholytic polymer, a synthetic non-ionic polymer, an amino acid, a protein, an oxidizing agent, a hair dye, dyes, pigments, a fragrance, one or more vitamins, and mixts. thereof. The cosmetically acceptable medium can be used to treat keratin-based substrates. For example, a styling gel was prepared comprising (i) 56% of a mixture prepared by combining 20% poly(DADMAC) with 5% cocamidopropylbetaine (CAB), and 0.1% laurylamine oxide (LAMO), (ii) 22% of a 38% solution of sodium lauryl sulfate (SLS), and (iii) 22% of Polyquaternium 47. The gel was applied to bleached hair. The hair was set in waves and dried. The hair was hardened. It was elastic and glossy, and felt silky and easy to comb out.

IC ICM A61K007-021

ICS A61K007-06; A61K007-11; A61K007-075; A61K007-08

INCL 424063000; 424070210; 424070110; 424070140

CC 62-1 (Essential Oils and Cosmetics)

ST cationic polymer surfactant gel cosmetic keratin; hair prepn cationic polymer surfactant gel

IT Quaternary ammonium compounds, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(C10-24 alkyl; cationic polymer/surfactant gel system and compns. for treating keratin substrates)

IT Shaving preparations

(aftershave; cationic polymer/surfactant gel system and compns. for treating keratin substrates)

IT Betaines
Sulfobetaines
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(amido; cationic polymer/surfactant gel system and compns. for treating
keratin substrates)

IT Polyelectrolytes
Surfactants
(amphoteric; cationic polymer/surfactant gel system and compns. for
treating keratin substrates)

IT Surfactants
(anionic; cationic polymer/surfactant gel system and compns. for
treating keratin substrates)

IT Hair preparations
(bleaches; cationic polymer/surfactant gel system and compns. for
treating keratin substrates)

IT Alcohols, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(branched, **hydrophobic**; cationic polymer/surfactant gel
system and compns. for treating keratin substrates)

IT Dyes
Oxidizing agents
Perfumes
Pigments, nonbiological
Sunscreens
(cationic polymer/surfactant gel system and compns. for treating
keratin substrates)

IT Keratins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(cationic polymer/surfactant gel system and compns. for treating
keratin substrates)

IT Amino acids, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cationic polymer/surfactant gel system and compns. for treating
keratin substrates)

IT Betaines
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cationic polymer/surfactant gel system and compns. for treating
keratin substrates)

IT Polymers, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cationic polymer/surfactant gel system and compns. for treating
keratin substrates)

IT Proteins
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cationic polymer/surfactant gel system and compns. for treating
keratin substrates)

IT Sulfobetaines
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cationic polymer/surfactant gel system and compns. for treating
keratin substrates)

IT Vitamins
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cationic polymer/surfactant gel system and compns. for treating
keratin substrates)

IT Polyelectrolytes
Surfactants
(cationic; cationic polymer/surfactant gel system and compns. for
treating keratin substrates)

IT Betaines
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

- (coco alkyldimethyl; cationic polymer/surfactant gel system and compns. for treating keratin substrates)
- IT Cosmetics
Hair preparations
(conditioners; cationic polymer/surfactant gel system and compns. for treating keratin substrates)
- IT Shaving preparations
(creams; cationic polymer/surfactant gel system and compns. for treating keratin substrates)
- IT Hair preparations
(dyes; cationic polymer/surfactant gel system and compns. for treating keratin substrates)
- IT Hair preparations
(gels, styling; cationic polymer/surfactant gel system and compns. for treating keratin substrates)
- IT Cosmetics
(gels; cationic polymer/surfactant gel system and compns. for treating keratin substrates)
- IT Alcohols, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(**hydrophobic**; cationic polymer/surfactant gel system and compns. for treating keratin substrates)
- IT Onium compounds
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(imidazolium compds., C8-25 alkyl; cationic polymer/surfactant gel system and compns. for treating keratin substrates)
- IT Amine oxides
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(long-chain; cationic polymer/surfactant gel system and compns. for treating keratin substrates)
- IT Cosmetics
(lotions; cationic polymer/surfactant gel system and compns. for treating keratin substrates)
- IT Hair preparations
(permanent wave; cationic polymer/surfactant gel system and compns. for treating keratin substrates)
- IT Hair preparations
(setting; cationic polymer/surfactant gel system and compns. for treating keratin substrates)
- IT Hair preparations
(straighteners; cationic polymer/surfactant gel system and compns. for treating keratin substrates)
- IT Polyamides, biological studies
Polyesters, biological studies
Polyurethanes, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(water-soluble; cationic polymer/surfactant gel system and compns. for treating keratin substrates)
- IT 36574-66-0D, N-coco acyl derivs.
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Cocoamidopropylbetaine; cationic polymer/surfactant gel system and compns. for treating keratin substrates)
- IT 197969-51-0, Polyquaternium 47
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Merquat 2001; cationic polymer/surfactant gel system and compns. for treating keratin substrates)
- IT 131954-48-8, Polyquaternium 28
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Merquat 280; cationic polymer/surfactant gel system and compns. for treating keratin substrates)

- IT 26590-05-6, Polyquaternium 7
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (Merquat 550; cationic polymer/surfactant gel system and compns. for treating keratin substrates)
- IT 81859-24-7, Polyquaternium 10
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (Ucare Polymer JR 125; cationic polymer/surfactant gel system and compns. for treating keratin substrates)
- IT 50-14-6, Vitamin D2 50-81-7, L-Ascorbic acid, biological studies
 57-55-6, Propylene Glycol, biological studies 58-85-5, Biotin 59-43-8, Vitamin B1, biological studies 64-17-5, Ethanol, biological studies
 67-97-0, Vitamin D3 68-19-9, Vitamin B12 73-24-5, Vitamin B4, biological studies 79-83-4, Vitamin B3 81-13-0, Panthenol 83-88-5, Vitamin B2, biological studies 94-36-0, Benzoyl peroxide, biological studies 107-35-7D, Taurine, N-alkyl derivs. 107-43-7D, Betaine, derivs. 107-97-1D, Sarcosine, N-cocoyl 112-53-8, Lauryl alcohol 137-16-6, Sodium lauroyl sarcosinate 139-96-8, Triethanolamine lauryl sulfate 143-00-0, Diethanolamine lauryl sulfate 151-21-3, Sodium lauryl sulfate, biological studies 577-11-7 683-10-3 693-33-4 871-37-4, Oleylbetaine 922-80-5 1340-08-5, Vitamin P 1406-16-2, Vitamin D 1406-18-4, Vitamin E 1643-20-5, Laurylamine oxide 2235-54-3, Ammonium lauryl sulfate 3006-15-3, Sodium sulfosuccinic acid dihexyl ester 3546-96-1, Sodium 3-dodecylaminopropionate 4292-10-8, Laurylamidopropylbetaine 4706-78-9, Potassium lauryl sulfate 4722-98-9, Monoethanolamine lauryl sulfate 7235-40-7, β -Carotene 7631-98-3, Sodium lauryl sarcosinate 7722-84-1, Hydrogen peroxide, biological studies 8059-24-3, Vitamin B6 9003-39-8, PVP K90 9004-62-0, Hydroxyethyl cellulose 9004-62-0D, Hydroxyethyl cellulose, polymeric quaternary ammonium salts 9004-64-2, Hydroxypropyl cellulose 9004-82-4, Sodium laureth sulfate 10471-50-8 11103-57-4, Vitamin A 12001-79-5, Vitamin K 13177-41-8 14481-60-8 15930-65-1 17404-70-5, Sodium lauroyl sulfate 17961-18-1, Triethylamine lauryl sulfate 24020-67-5 25155-30-0, Sodium dodecyl benzenesulfonate 26062-79-3, Poly(diallyldimethylammonium chloride) 26248-24-8, Sodium tridecyl benzenesulfonate 27028-82-6, Triethanolamine laureth sulfate 27103-90-8, Polymethacryloyloxyethyltrimethylammonium methyl sulfate 30933-06-3D, Monoethanolamine sulfate, N-cocoyl 32612-48-9, Ammonium laureth sulfate 33114-26-0 37767-39-8, Tetrasodium N-(1,2-dicarboxyethyl)-N-octadecylsulfosuccinamate 39421-75-5D, Hydroxypropyl guar, quaternary ammonium derivs. 50602-06-7, Potassium laureth sulfate 52562-22-8 52665-42-6 58855-36-0, Diethanolamine laureth sulfate 68184-04-3, Monoethanolamine laureth sulfate 109578-73-6, OF 308 111774-28-8, Diallyl dimethylammonium chloride-hydroxyethyl cellulose graft copolymer 116644-76-9 116874-26-1, Lauric monoglyceride sodium sulfate 180968-45-0 180968-46-1 188265-30-7, Mackpro NLP 243140-33-2, OF 420 264230-87-7 264230-89-9, Ammonium lauroyl sulfate 264230-93-5, Triethylamine laureth sulfate
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (cationic polymer/surfactant gel system and compns. for treating keratin substrates)
- IT 79-06-1D, Acrylamide, copolymers 79-10-7D, Acrylic acid, derivs., polymers 79-39-0D, Methacrylamide, copolymers 79-41-4D, Methacrylic acid, derivs., polymers 88-12-0D, copolymers 9002-98-6 9003-05-8, Polyacrylamide 25014-12-4, Polymethacrylamide 26336-38-9, Poly(vinylamine)
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (water-soluble; cationic polymer/surfactant gel system and compns. for treating keratin substrates)
- IT 243140-33-2, OF 420

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cationic polymer/surfactant gel system and compns. for treating
keratin substrates)

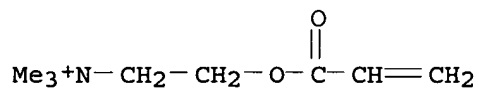
RN 243140-33-2 HCAPLUS

CN Ethanaminium, N,N,N-trimethyl-2-[(1-oxo-2-propenyl)oxy]-, chloride,
polymer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid,
2-propenamide and 2-propenoic acid (9CI) (CA INDEX NAME)

CM 1

CRN 44992-01-0

CMF C8 H16 N O2 . Cl

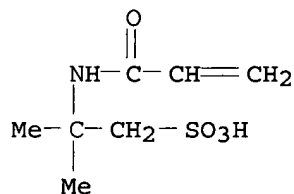


● Cl⁻

CM 2

CRN 15214-89-8

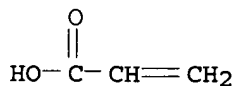
CMF C7 H13 N O4 S



CM 3

CRN 79-10-7

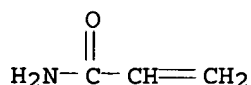
CMF C3 H4 O2



CM 4

CRN 79-06-1

CMF C3 H5 N O



L27 ANSWER 4 OF 39 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2005:9294 HCAPLUS

DN 142:99990

TI Topical composition comprising a water-soluble polymer on the basis of AMPS with polyoxyalkylene side chains

IN L'alloret, Florence

PA L'oreal, Fr.

SO Eur. Pat. Appl., 17 pp.

CODEN: EPXXDW

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1493774	A2	20050105	EP 2004-291413	20040607
	EP 1493774	A3	20050309		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
	FR 2856923	A1	20050107	FR 2003-8026	20030702
	US 2005008605	A1	20050113	US 2004-876570	20040628
	JP 2005023078	A2	20050127	JP 2004-195999	20040701
PRAI	FR 2003-8026	A	20030702		
	US 2003-487246P	P	20030716		

AB Topical compns. which exhibit low sensitivity to multivalent ions and pH and a highly sharp fluid-gel transition in a narrow temperature range contain a water-soluble product based on the reaction product of a water soluble 2-acrylamido-2-methylpropanesulfonic acid (AMPS)-based polymer and a polymer containing ≥ 1 polyoxyethylene block and ≥ 1 polyoxypropylene or polyoxybutylene block. A typical reaction product was manufactured by reaction of 3.78 g 20:80 acrylic acid-AMPS copolymer with 1.6 g ethylene oxide-propylene oxide diblock copolymer Bu ether monoamine 6 h in water in the presence of 1-(3-dimethylaminopropyl)-3-ethylcarbodiimide hydrochloride at 60°.

IC ICM C08G081-02

ICS A61K007-00

CC 62-4 (Essential Oils and Cosmetics)

Section cross-reference(s): 35

ST topical compn thermogelling ability AMPS copolymer polyoxyalkylene adduct

IT Polyoxyalkylenes, biological studies

RL: COS (Cosmetic use); IMF (Industrial manufacture); BIOL

(Biological study); PREP (Preparation); USES (Uses)

(acrylic; topical compns. with good thermogelling behavior and low sensitivity to multivalent ions containing water-soluble polymers based on AMPS with polyoxyalkylene side chains)

IT Cosmetics

(cleansing; topical compns. with good thermogelling behavior and low sensitivity to multivalent ions containing water-soluble polymers based on AMPS with polyoxyalkylene side chains)

IT Cosmetics

(gels; topical compns. with good thermogelling behavior and low sensitivity to multivalent ions containing water-soluble polymers based on AMPS with polyoxyalkylene side chains)

IT Cosmetics

(makeup removers; topical compns. with good thermogelling behavior and low sensitivity to multivalent ions containing water-soluble polymers based on AMPS with polyoxyalkylene side chains)

IT Cosmetics
(makeups; topical compns. with good thermogelling behavior and low sensitivity to multivalent ions containing water-soluble polymers based on AMPS with polyoxyalkylene side chains)

IT Cosmetics
(moisturizers; topical compns. with good thermogelling behavior and low sensitivity to multivalent ions containing water-soluble polymers based on AMPS with polyoxyalkylene side chains)

IT Bath preparations
Hair preparations
Sunscreens
(topical compns. with good thermogelling behavior and low sensitivity to multivalent ions containing water-soluble polymers based on AMPS with polyoxyalkylene side chains)

IT 819055-48-6P 819849-24-6P 819849-27-9P 819849-30-4P
RL: COS (Cosmetic use); IMF (Industrial manufacture); BIOL
(Biological study); PREP (Preparation); USES (Uses)
(topical compns. with good thermogelling behavior and low sensitivity to multivalent ions containing water-soluble polymers based on AMPS with polyoxyalkylene side chains)

IT 819849-30-4P
RL: COS (Cosmetic use); IMF (Industrial manufacture); BIOL
(Biological study); PREP (Preparation); USES (Uses)
(topical compns. with good thermogelling behavior and low sensitivity to multivalent ions containing water-soluble polymers based on AMPS with polyoxyalkylene side chains)

RN 819849-30-4 HCAPLUS
CN 1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propenyl)amino]-, polymer with methyloxirane diblock polymer with oxirane mono(2-methyl-2-propenoate) octadecyl ether, ammonium salt (9CI) (CA INDEX NAME)

CM 1

CRN 7664-41-7
CMF H3 N

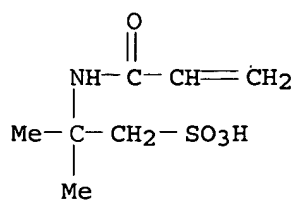
NH₃

CM 2

CRN 819849-29-1
CMF (C18 H38 O . C7 H13 N O4 S . C4 H6 O2 . (C3 H6 O . C2 H4 O)x)x
CCI PMS

CM 3

CRN 15214-89-8
CMF C7 H13 N O4 S



CM 4

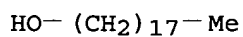
CRN 819849-28-0

CMF C18 H38 O . C4 H6 O2 . (C3 H6 O . C2 H4 O)x

CM 5

CRN 112-92-5

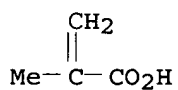
CMF C18 H38 O



CM 6

CRN 79-41-4

CMF C4 H6 O2



CM 7

CRN 697765-47-2

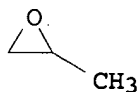
CMF (C3 H6 O . C2 H4 O)x

CCI PMS

CM 8

CRN 75-56-9

CMF C3 H6 O



CM 9

CRN 75-21-8

CMF C2 H4 O



L27 ANSWER 5 OF 39 HCAPLUS COPYRIGHT 2005 ACS on STN
 AN 2004:1126610 HCAPLUS
 DN 142:62293
 TI Method and compositions for coloring hair with taurate
 copolymers
 IN Yang, Jiang
 PA Unilever Home & Personal Care Usa, Division of Conopco, Inc., USA
 SO U.S. Pat. Appl. Publ., 7 pp.
 CODEN: USXXCO
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004255399	A1	20041223	US 2003-602399	20030623
	WO 2004112736	A1	20041229	WO 2004-EP6241	20040608
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,				
	CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,				
	GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,				
	LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,				
	NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,				
	TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,				
	AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,				
	EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,				
	SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,				
	SN, TD, TG				

PRAI US 2003-602399 A 20030623

AB A method and composition are provided for coloring hair. The method includes applying and thereafter removing from the hair a composition which includes a dye formulation incorporating an oxidation dye precursor and a developer formula incorporating an alkoxyated taurate copolymer in combination with hydrogen peroxide. The dye and developer formulations are applied to the hair sep. or together in a relative weight ratio of 10:1 to 1:10. Particularly preferred alkoxyated taurate copolymers are hydrophobically modified copolymers of acrylamidopropanesulfonic acid or salt and methacrylate esters of ethoxylated or propoxylated fatty alcs. Thus, a formulation contained Aristoflex-HMB 0.5, 50% H2O2 12, phosphoric acid 0.05, and water qs to 100%. Aristoflex-HMB imparts an effective stability to a hydrogen peroxide system.

IC ICM A61K007-13

INCL 008405000

CC 62-3 (Essential Oils and Cosmetics)

ST taurate polymer hair dye

IT Hair

(compns. containing taurate copolymers for coloring hair)

IT Hair preparations

(dyes, oxidative; compns. containing taurate copolymers for coloring hair)

IT Hair preparations

(dyes; compns. containing taurate copolymers for coloring hair)

IT Alcohols, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(fatty, ethoxylated, esters with methacrylic acid; compns. containing taurate copolymers for coloring hair)

IT Alcohols, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(fatty, propoxylated, esters with methacrylic acid; compns. containing taurate copolymers for coloring hair)

IT 79-41-4D, Methacrylic acid, esters, polymers 7722-84-1, Hydrogen peroxide, biological studies 766540-87-8, Aristoflex HMB
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(compns. containing taurate copolymers for coloring hair)

IT 766540-87-8, Aristoflex HMB
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(compns. containing taurate copolymers for coloring hair)

RN 766540-87-8 HCAPLUS

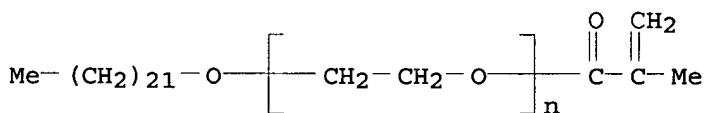
CN 1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propenyl)amino]-, monoammonium salt, polymer with α -(2-methyl-1-oxo-2-propenyl)- ω -(docosyloxy)poly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

CM 1

CRN 115047-92-2

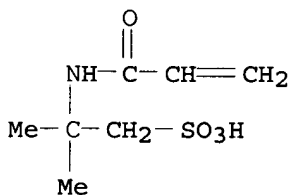
CMF (C2 H4 O)_n C26 H50 O2

CCI PMS

*Claim 31**date too new*

CM 2

CRN 58374-69-9
CMF C7 H13 N O4 S . H3 N

*Claim 23*● NH₃

L27 ANSWER 6 OF 39 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2004:472072 HCAPLUS

DN 141:42526

TI Oxidizing hair compositions comprising a mixture of polymers containing a copolymer of hydroxylated acrylate and 2-acrylamido-2-methylpropanesulfonic acid

IN Legrand, Frederic; Kravtchenko, Sylvain

PA L'oreal, Fr.
 SO Fr. Demande, 21 pp.
 CODEN: FRXXBL
 DT Patent
 LA French
 FAN.CNT 1

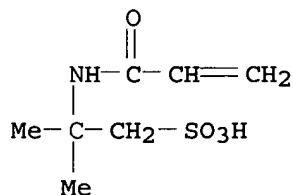
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2848109	A1	20040611	FR 2002-15547	20021209
	FR 2848109	B1	20050304		
PRAI	FR 2002-15547		20021209		
AB	An oxidizing composition for human hair fibers comprises an oxidizing agent such as hydrogen peroxide, a copolymer based on 2-acrylamido-2-methylpropanesulfonic acid and acrylic acid or based on 2-acrylamido-2-methylpropanesulfonic acid and a hydroxylated C1-4 alkyl acrylate and a polymer selected from crosslinked 2-acrylamido-2-methylpropane sulfonic acid polymers. The invention also relates to the processes and devices of permanent hair dyeing. Thus, a formulation contained Hostacerin AMPS 1.5, Simulgel EG 1, oxygenated water 6%, an agent for inducing the pH to 3.4 qs, and water qs to 100 g.				
IC	ICM A61K007-13 ICS A61K007-135; A61K007-09				
CC	62-3 (Essential Oils and Cosmetics)				
ST	oxidizing hair polymer hydroxylated acrylate acrylamidomethylpropanesulfonate				
IT	Hair preparations (dyes, oxidative; oxidizing hair compns. comprising mixture of copolymer of hydroxylated acrylate with acrylamidomethylpropanesulfonic acid)				
IT	Hair Hair preparations Human Molecular weight distribution Oxidizing agents (oxidizing hair compns. comprising mixture of copolymer of hydroxylated acrylate with acrylamidomethylpropanesulfonic acid)				
IT	Hair preparations (permanent wave; oxidizing hair compns. comprising mixture of copolymer of hydroxylated acrylate with acrylamidomethylpropanesulfonic acid)				
IT	7722-84-1, Hydrogen peroxide, biological studies 27119-07-9, 2-Acrylamido-2-methylpropanesulfonic acid homopolymer 40623-75-4, Acrylic acid-2-Acrylamido-2-methylpropanesulfonic acid copolymer 105632-07-3, 2-Hydroxyethyl methacrylate-sodium 2-acrylamido-2-methylpropanesulfonate copolymer 121601-24-9, Hostacerin AMPS 501084-04-4, Simulgel NS 501084-84-0, Simulgel EG 701292-01-5, Aristoflex HMS RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses) (oxidizing hair compns. comprising mixture of copolymer of hydroxylated acrylate with acrylamidomethylpropanesulfonic acid)				
IT	27119-07-9, 2-Acrylamido-2-methylpropanesulfonic acid homopolymer 40623-75-4, Acrylic acid-2-Acrylamido-2-methylpropanesulfonic acid copolymer 105632-07-3, 2-Hydroxyethyl methacrylate-sodium 2-acrylamido-2-methylpropanesulfonate copolymer 121601-24-9, Hostacerin AMPS 501084-04-4, Simulgel NS 501084-84-0, Simulgel EG RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses) (oxidizing hair compns. comprising mixture of copolymer of hydroxylated acrylate with acrylamidomethylpropanesulfonic acid)				
RN	27119-07-9 HCAPLUS				

CN 1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propenyl)amino]-, homopolymer
(9CI) (CA INDEX NAME)

CM 1

CRN 15214-89-8

CMF C7 H13 N O4 S



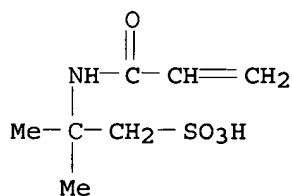
RN 40623-75-4 HCAPLUS

CN 2-Propenoic acid, polymer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid (9CI) (CA INDEX NAME)

CM 1

CRN 15214-89-8

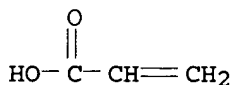
CMF C7 H13 N O4 S



CM 2

CRN 79-10-7

CMF C3 H4 O2



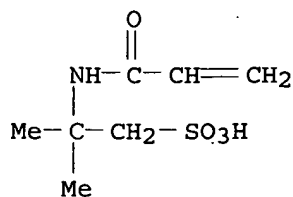
RN 105632-07-3 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid monosodium salt (9CI) (CA INDEX NAME)

CM 1

CRN 5165-97-9

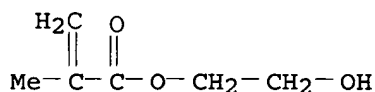
CMF C7 H13 N O4 S . Na



● Na

CM 2

CRN 868-77-9
 CMF C6 H10 O3



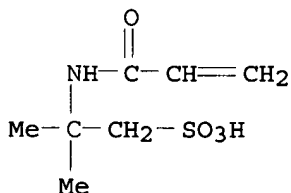
RN 121601-24-9 HCAPLUS
 CN 1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propenyl)amino]-, homopolymer, ammonium salt (9CI) (CA INDEX NAME)

CM 1

CRN 27119-07-9
 CMF (C7 H13 N O4 S)x
 CCI PMS

CM 2

CRN 15214-89-8
 CMF C7 H13 N O4 S



RN 501084-04-4 HCAPLUS
 CN Sorbitan, monoctadecanoate, poly(oxy-1,2-ethanediyl) derivs., mixt. with 2,6,10,15,19,23-hexamethyltetracosane and 2-hydroxyethyl 2-propenoate polymer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid monosodium salt (9CI) (CA INDEX NAME)

CM 1

CRN 9005-67-8
 CMF Unspecified

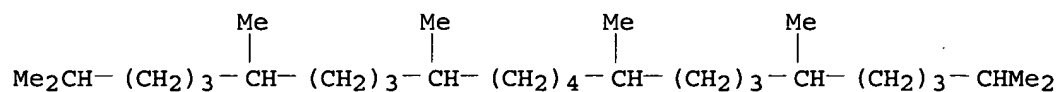
CCI PMS, MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 2

CRN 111-01-3

CMF C30 H62



CM 3

CRN 111286-86-3

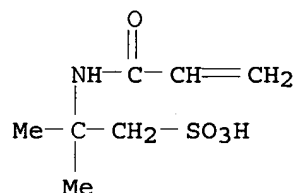
CMF (C7 H13 N O4 S . C5 H8 O3 . Na)x

CCI PMS

CM 4

CRN 5165-97-9

CMF C7 H13 N O4 S . Na

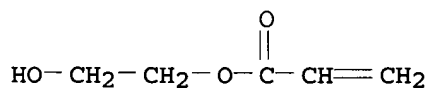


● Na

CM 5

CRN 818-61-1

CMF C5 H8 O3



RN 501084-84-0 HCAPLUS

CN Sorbitan, mono-(9Z)-9-octadecenoate, poly(oxy-1,2-ethanediyl) derivs.,
mixt. with isohexadecane and 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-
propanesulfonic acid monosodium salt polymer with sodium 2-propenoate
(9CI) (CA INDEX NAME)

CM 1

CRN 60908-77-2
CMF C16 H34
CCI IDS

(iso-C₁₅H₃₁) - CH₃

CM 2

CRN 9005-65-6
CMF Unspecified
CCI PMS, MAN

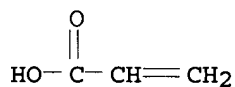
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 3

CRN 37350-42-8
CMF (C7 H13 N O4 S . C3 H4 O2 . 2 Na)x
CCI PMS

CM 4

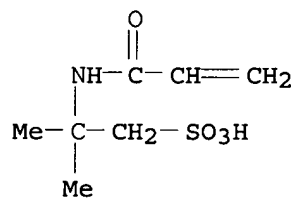
CRN 7446-81-3
CMF C3 H4 O2 . Na



● Na

CM 5

CRN 5165-97-9
CMF C7 H13 N O4 S . Na



● Na

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD

KATHLEEN FULLER EIC1700 REMSEN 4B28 571/272-2505

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 7 OF 39 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2004:472071 HCAPLUS

DN 141:42525

TI Oxidizing hair compositions comprising acrylamide copolymers

IN Legrand, Frederic; Kravtchenko, Sylvain

PA L'oreal, Fr.

SO Fr. Demande, 21 pp.

CODEN: FRXXBL

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2848108	A1	20040611	FR 2002-15546	20021209
	EP 1428500	A1	20040616	EP 2003-293060	20031208
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	US 2004143912	A1	20040729	US 2003-729851	20031208

PRAI FR 2002-15546 A 20021209

US 2003-444638P P 20030204

AB An oxidizing hair composition comprises an oxidizing agent such as hydrogen peroxide and the compds. likely to produce hydrogen peroxide by hydrolysis, a copolymer of 2-acrylamido-2-methylpropanesulfonic acid and acrylamide, and a polymer selected from crosslinked 2-acrylamido-2-methylpropanesulfonic acid copolymers. The invention also relates to the processes and devices of hair dyeing. Thus, a formulation contained oxygenated water 6, Hostacerin AMPS 1.5, and Simulgel-600 1%, an agent to induce a pH of 3.6, and water qs to 100 g.

ICM A61K007-13

ICS A61K007-135; A61K007-09

CC 62-3 (Essential Oils and Cosmetics)

ST oxidizing hair formulation acrylamidmethylpropanesulfonic acid copolymer

IT Hair preparations

(dyes, oxidative; oxidizing hair compns. comprising acrylamide copolymers)

IT Hair

Hair preparations

Human

Shampoos

(oxidizing hair compns. comprising acrylamide copolymers)

IT Hair preparations

(permanent wave; oxidizing hair compns. comprising acrylamide copolymers)

IT 7722-84-1, Hydrogen peroxide, biological studies

38193-60-1, Simulgel 600 121601-24-9, Hostacerin AMPS

701292-01-5, Aristoflex HMS

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(oxidizing hair compns. comprising acrylamide copolymers)

IT 38193-60-1, Simulgel 600 121601-24-9, Hostacerin AMPS

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(oxidizing hair compns. comprising acrylamide copolymers)

RN 38193-60-1 HCAPLUS

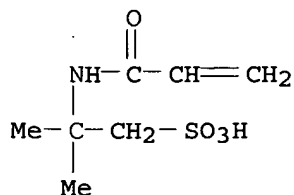
CN 1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propenyl)amino]-, monosodium salt, polymer with 2-propenamide (9CI) (CA INDEX NAME)

CM 1

CRN 5165-97-9

applicant

CMF C7 H13 N O4 S . Na

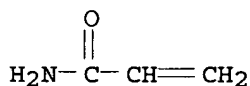
*Claim 23*

● Na

CM 2

CRN 79-06-1

CMF C3 H5 N O



RN 121601-24-9 HCAPLUS

CN 1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propenyl)amino]-, homopolymer, ammonium salt (9CI) (CA INDEX NAME)

CM 1

CRN 27119-07-9

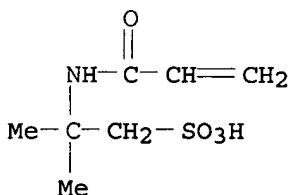
CMF (C7 H13 N O4 S)x

CCI PMS

CM 2

CRN 15214-89-8

CMF C7 H13 N O4 S



RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 8 OF 39 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2004:472070 HCAPLUS

DN 141:42524

TI Oxidizing hair compositions comprising a mixture of polymers containing

apparent

polyoxyethylene/polyoxypropylene copolymer
 IN Legrand, Frederic; Kravtchenko, Sylvain
 PA L'oreal, Fr.
 SO Fr. Demande, 22 pp.
 CODEN: FRXXBL

DT Patent
 LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2848107	A1	20040611	FR 2002-15544	20021209
	FR 2848107	B1	20050318		
PRAI	FR 2002-15544		20021209		

AB An oxidizing hair composition contains a polyoxyethylene/polyoxypropylene copolymer and an oxidizing agent such as hydrogen peroxide and a polymer chosen among the homopolymers of crosslinked 2-acrylamido-2-methylpropane sulfonic acid. Thus, a formulation contained oxygenated water 6, Hostacerin AMPS 1.5, and Pluronic RPE-2520 1%, an agent to induce a pH of 3.5 qs, and water qs to 100 g.

IC ICM A61K007-13

ICS A61K007-135; A61K007-09

CC 62-3 (Essential Oils and Cosmetics)

ST polymer hair formulation oxidizing polyoxyethylene polyoxypropylene copolymer

IT Hair preparations

(dyes, oxidative; oxidizing hair compns. comprising mixture of polymers containing polyoxyethylene/polyoxypropylene copolymer)

IT Hair

Hair preparations

Human

Molecular weight distribution

Oxidizing agents

(oxidizing hair compns. comprising mixture of polymers containing polyoxyethylene/polyoxypropylene copolymer)

IT 7722-84-1, Hydrogen peroxide, biological studies

27119-07-9, 2-Acrylamido-2-methylpropane sulfonic acid homopolymer

106392-12-5, Pluronic RPE 2520 121601-24-9, Hostacerin AMPS

701292-01-5, Aristoflex HMS

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(oxidizing hair compns. comprising mixture of polymers containing polyoxyethylene/polyoxypropylene copolymer)

IT 27119-07-9, 2-Acrylamido-2-methylpropane sulfonic acid homopolymer

121601-24-9, Hostacerin AMPS

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(oxidizing hair compns. comprising mixture of polymers containing polyoxyethylene/polyoxypropylene copolymer)

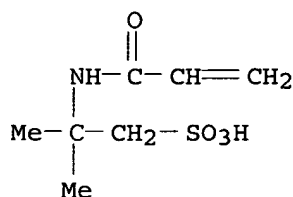
RN 27119-07-9 HCAPLUS

CN 1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propenyl)amino]-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 15214-89-8

CMF C7 H13 N O4 S



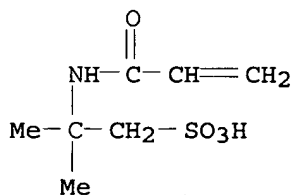
RN 121601-24-9 HCAPLUS
 CN 1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propenyl)amino]-, homopolymer, ammonium salt (9CI) (CA INDEX NAME)

CM 1

CRN 27119-07-9
 CMF (C7 H13 N O4 S)x
 CCI PMS

CM 2

CRN 15214-89-8
 CMF C7 H13 N O4 S



RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 9 OF 39 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2004:40959 HCAPLUS

DN 140:116926

TI Anhydrous paste for the bleaching of human hair

IN Legrand, Frederic

PA L'Oreal S.A., Fr.

SO Fr. Demande, 43 pp.

CODEN: FRXXBL

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	FR 2842099	A1	20040116	FR 2002-8842	20020712
	FR 2842099	B1	20040910		
PRAI	FR 2002-8842		20020712		

AB An anhydrous paste for the discoloration of human hair contains at least a **peroxy** salt, an alkaline agent, a nonionic and/or an amphiphilic polymer comprising a fatty chain, 15-35% an inert fluid, and 0.01-10% a silica pyrogenic silica absorbent. Thus, a formulation contained potassium persulfate 30, sodium persulfate 6, sodium disilicate 21.6, ammonium chloride 4.2, EDTA 0.2, Ser-Ad FX-1100 2, Guargel D/15 1, Keltrol

BT 1, sodium cetostearyl sulfate 4, sodium stearate 2, TiO₂ 1, mineral oil 1, iso-Pr palmitate 25, and Aerosil-300 1%.

IC ICM A61K007-135

CC 62-3 (Essential Oils and Cosmetics)

ST anhyd paste bleaching polymer hair

IT Polymers, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (amphiphilic; anhydrous paste for bleaching of human hair)

IT Hair
 Human
 (anhydrous paste for bleaching of human hair)

IT Polymers, biological studies
 Polysiloxanes, biological studies
 Polyurethanes, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (anhydrous paste for bleaching of human hair)

IT Polyelectrolytes
 (anionic; anhydrous paste for bleaching of human hair)

IT Hair preparations
 (bleaches; anhydrous paste for bleaching of human hair)

IT Fatty acids, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (coco, esters with sucrose; anhydrous paste for bleaching of human hair)

IT Fatty acids, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (esters; anhydrous paste for bleaching of human hair)

IT Alcohols, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (fatty, esters; anhydrous paste for bleaching of human hair)

IT Alcohols, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (monoalcs., esters; anhydrous paste for bleaching of human hair)

IT Carbohydrates, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (sugar esters; anhydrous paste for bleaching of human hair)

IT Alcohols, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (tallow, ethoxylated; anhydrous paste for bleaching of human hair)

IT 37318-31-3, Crodesta F 90
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (Crodesta F 160; anhydrous paste for bleaching of human hair)

IT 53694-17-0, Merquat 280
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (Merquat 295; anhydrous paste for bleaching of human hair)

IT 103-23-1, Dioctyl adipate 110-27-0, Isopropyl myristate 142-91-6, Isopropyl palmitate 2915-53-9 7491-02-3, Sebacic acid diisopropyl ester 7722-84-1, Hydrogen peroxide, biological studies
 7727-21-1, Potassium persulfate 7775-27-1, Sodium persulfate
 9000-30-0, Guargel D15 22766-82-1, Octyldodecyl stearate 24938-91-8, Salcare SC 95 25136-75-8, Merquat Plus 3330 26062-79-3, Merquat 100 26590-05-6, Merquat 2200 27195-16-0, Crodesta F 70 28211-18-9, Antaron V 220 32440-50-9, Antaron V 216 35429-19-7, Salcare SC 92 42557-10-8, Dow Corning 200 60842-32-2, Aerosil R 972 109944-58-3, Aerosil R 202 112153-70-5, Aerosil R 805 112153-71-6, Aerosil R 812 121601-24-9, Hostacerin AMPS 122703-32-6, Glucate DO 136302-85-7, Bermocoll EHM 100 136372-47-9, Diaformer Z 301 136392-67-1, Stabileze QM 138789-85-2, Pemulen TR1 139351-18-1, Aerosil R 974 145687-02-1, Pemulen TR2 146701-61-3, Carbopol 1382 154530-80-0, Ser-Ad FX 1100 158516-70-2, Amercell Polymer HM-1500 162122-10-3, Natrosol Plus 330CS 176429-87-1, Carbopol ETD 2020

197969-51-0, Merquat 2001 219788-22-4, Jaguar XC-95/3 221902-82-5,
 Ryoto Sugar Ester B 370 223647-26-5, Rheolate 205 248257-54-7,
 Rheolate 204 473664-54-9, Salcare SC96 501084-84-0, Simulgel
 EG 646052-44-0, Esaflor HM 22 646053-59-0, RE 210-18 646053-60-3, RE
 205-1 646053-63-6, Rheolate 212 646053-64-7, Acrysol RM 184
 646053-65-8, Elfacos T 210 646053-66-9, Elfacos T 212 646053-71-6,
 Galactasol 4H4FD2

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (anhydrous paste for bleaching of human hair)

IT 7631-86-9, Silica, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (pyrogenic; anhydrous paste for bleaching of human hair)

IT 121601-24-9, Hostacerin AMPS 501084-84-0, Simulgel EG

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (anhydrous paste for bleaching of human hair)

RN 121601-24-9 HCAPLUS

CN 1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propenyl)amino]-,
 homopolymer, ammonium salt (9CI) (CA INDEX NAME)

CM 1

CRN 27119-07-9

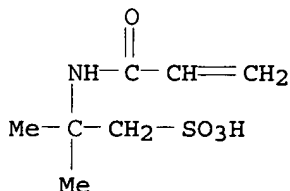
CMF (C7 H13 N O4 S)x

CCI PMS

CM 2

CRN 15214-89-8

CMF C7 H13 N O4 S



RN 501084-84-0 HCAPLUS

CN Sorbitan, mono-(9Z)-9-octadecenoate, poly(oxy-1,2-ethanediyl) derivs.,
 mixt. with isohexadecane and 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-
 propanesulfonic acid monosodium salt polymer with sodium 2-propenoate
 (9CI) (CA INDEX NAME)

CM 1

CRN 60908-77-2

CMF C16 H34

CCI IDS

(iso-C₁₅H₃₁)-CH₃

CM 2

CRN 9005-65-6

CMF Unspecified
CCI PMS, MAN

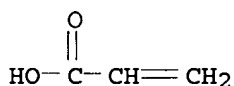
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 3

CRN 37350-42-8
CMF (C7 H13 N O4 S . C3 H4 O2 . 2 Na)x
CCI PMS

CM 4

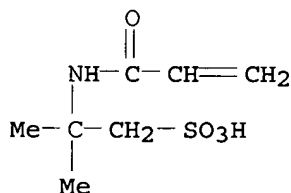
CRN 7446-81-3
CMF C3 H4 O2 . Na



● Na

CM 5

CRN 5165-97-9
CMF C7 H13 N O4 S . Na



● Na

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 10 OF 39 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 2003:892011 HCAPLUS
DN 139:369368
TI Cosmetic composition with a silicone elastomer and a thickening polymer latex
IN Augustin-Castro, Barbara; Waldmann-Laue, Marianne; Blumenkamp, Elke
PA Henkel Kommanditgesellschaft auf Aktien, Germany
SO Eur. Pat. Appl., 15 pp.
CODEN: EPXXDW
DT Patent
LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1360955	A2	20031112	EP 2003-10016	20030502
	EP 1360955	A3	20040204		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	DE 10220867	A1	20031120	DE 2002-10220867	20020510
PRAI	DE 2002-10220867	A	20020510		
AB	<p>The invention concerns cosmetic compns. that include a silicone elastomer and a thickening inverse or auto-inversible polymer latex composed of an oily phase, an aqueous phase, at least one oil-in-water emulsifier and a linear or branched polyelectrolyte selected from the group of: (i) a homopolymer, composed of monomers that contain weak acid functional groups partially or completely neutralized; or (ii) a copolymer composed of monomers with strong acid functional groups and a neutral monomer or a monomer with weak acidic function. The ingredients are included in hair prepsns., skin care products and deodorants. Thus an O/W cream contained (weight/weight%): soy lecithin 0.50; isopropylstearate 2.00; Myritol 318 1.00; tocopherol acetate 0.50; Cutina MD-V 1.00; dimethicone 5.00; propylparaben 0.20; wheat protein hydrolyzate 1.00; Dow Corning 9040 1.00; glycerin 5.00; 1,6-hexanediol 6.00; methylparaben 0.20; Tego Carbomer (2%) 15.00; dimethylsilanol hyaluronate 0.20; extract of algae 1.00; 1,2-propylene glycol 5.00; dimethylmethoxychroman-6 0.01; Simulgel NS 2.00; sodium hydroxide (10%) 0.23; mica 3.00; water to 100.</p>				
IC	ICM A61K007-06				
	ICS A61K007-48				
CC	62-4 (Essential Oils and Cosmetics)				
ST	cosmetic compn silicone elastomer thickening polymer latex				
IT	Skin, disease				
	(aging; cosmetic composition with a silicone elastomer and a thickening polymer latex)				
IT	Deodorants (personal)				
	Hair preparations				
	Latex				
	Thickening agents				
	(cosmetic composition with a silicone elastomer and a thickening polymer latex)				
IT	Hydrocarbon oils				
	Polysiloxanes, biological studies				
	Silicone rubber, biological studies				
	RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)				
	(cosmetic composition with a silicone elastomer and a thickening polymer latex)				
IT	Cosmetics				
	(creams; cosmetic composition with a silicone elastomer and a thickening polymer latex)				
IT	Castor oil				
	RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)				
	(ethoxylated; cosmetic composition with a silicone elastomer and a thickening polymer latex)				
IT	Castor oil				
	RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)				
	(hydrogenated, ethoxylated; cosmetic composition with a silicone elastomer and a thickening polymer latex)				
IT	Emulsifying agents				
	(oil in water; cosmetic composition with a silicone elastomer and a thickening polymer latex)				
IT	Emulsions				
	(oil-in-water; cosmetic composition with a silicone elastomer and a				

thickening polymer latex)

IT Amino acids, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(salts with acids; cosmetic composition with a silicone elastomer and a thickening polymer latex)

IT 155665-02-4 155665-02-4D, trimethylsilyl-terminated 156048-35-0D, dimethylvinylsilyl-terminated 156118-35-3D, cyclized or trimethylsilyl-terminated derivs. 156395-52-7D, dimethylvinylsilyl-terminated 156787-84-7D, dimethylvinylsilyl-/trimethylsilyl- terminated
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(assumed monomers; cosmetic composition with a silicone elastomer and a thickening polymer latex)

IT 111-01-3, Squalane 112-53-8, Lauryl alcohol 141-43-5D, Ethanolamine, salts with acids 541-02-6, Dow Corning 245 1337-30-0, Sorbitan laurate 7440-09-7D, Potassium, salts 7440-23-5D, Sodium, salts 9003-27-4D, Polyisobutene, hydrogenated 9003-39-8, Polyvinylpyrrolidone 9005-65-6 9006-65-9, Dimethicone 14798-03-9D, Ammonium, salts 26403-67-8 28323-46-8, Methylvinyl siloxane 59942-04-0 84668-17-7 135507-00-5, Dimethylsilanol hyaluronate 344781-69-7, Dow Corning 9040 501084-04-4, Simulgel NS
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cosmetic composition with a silicone elastomer and a thickening polymer latex)

IT 79-10-7, Acrylic acid, biological studies 79-41-4, Methacrylic acid, biological studies 97-65-4, Itaconic acid, biological studies 110-16-7, Maleinic acid, biological studies 818-61-1, 2-Hydroxyethyl acrylate 868-77-9, 2-Hydroxyethyl methacrylate 5919-74-4, 2,3-Dihydroxypropyl methacrylate 10095-20-2, 2,3-Dihydroxypropyl acrylate 80407-06-3, 1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propenyl)amino]-
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(used in polymer formulation; cosmetic composition with a silicone elastomer and a thickening polymer latex)

IT 501084-04-4, Simulgel NS
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cosmetic composition with a silicone elastomer and a thickening polymer latex)

RN 501084-04-4 HCAPLUS

CN Sorbitan, monooctadecanoate, poly(oxy-1,2-ethanediyl) derivs., mixt. with 2,6,10,15,19,23-hexamethyltetracosane and 2-hydroxyethyl 2-propenoate polymer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid monosodium salt (9CI) (CA INDEX NAME)

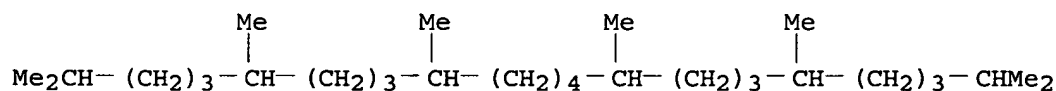
CM 1

CRN 9005-67-8
CMF Unspecified
CCI PMS, MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 2

CRN 111-01-3
CMF C30 H62



CM 3

CRN 111286-86-3

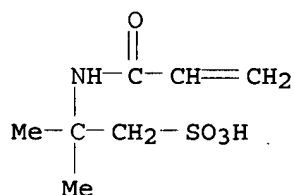
CMF (C7 H13 N O4 S . C5 H8 O3 . Na)x

CCI PMS

CM 4

CRN 5165-97-9

CMF C7 H13 N O4 S . Na

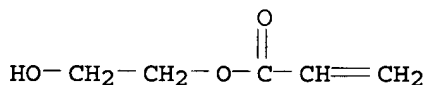


● Na

CM 5

CRN 818-61-1

CMF C5 H8 O3



L27 ANSWER 11 OF 39 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2003:378638 HCAPLUS

DN 138:390557

TI Oil/in/water cosmetics emulsions comprising monoesters and polymers

IN Devie, Marie; Calmant, Emmanuelle

PA L'Oreal, Fr.

SO Fr. Demande, 34 pp.

CODEN: FRXXBL

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2832062	A1	20030516	FR 2002-4869	20020418
	FR 2832062	B1	20040227		

PRAI FR 2002-4869

20020418

AB A composition in the form of an oil-in-water emulsion, comprises at least a monoester of polyethylene glycol and fatty acid and at least a polymer comprising an unsatd. ethylene monomer and a sulfonic group. The composition contains about 0.5% surfactants and it has a very good stability, even in the presence of amino acids. The composition is used for the care, the treatment, or cleaning of skin, lips and/or hair, particularly for the care of the dry skin and/or dry lips. A cosmetic emulsion contained glycerin, PEG-4 laurate (Lipopeg 2-L) 0.08, Hibiscin HP LS-9198 0.1, preservatives 1.1, cococaprylate/caprate 3, ethylhexyl methoxycinnamate 7.5, karite butter 2, cyclomethicone 1, Hostacerin AMPS 2, and water q.s. 100%.

IC ICM A61K007-48

CC 62-4 (Essential Oils and Cosmetics)

ST cosmetic emulsion monoester polymer

IT Polyoxyalkylenes, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(cocoa derivs.; oil/in/water cosmetics emulsions comprising monoesters and polymers)

IT Cosmetics

(emulsions; oil/in/water cosmetics emulsions comprising monoesters and polymers)

IT Fatty acids, biological studies

Polyoxyalkylenes, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(esters; oil/in/water cosmetics emulsions comprising monoesters and polymers)

IT Amino acids, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(oil/in/water cosmetics emulsions comprising monoesters and polymers)

IT Sulfonic acids, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(polymers; oil/in/water cosmetics emulsions comprising monoesters and polymers)

IT Polymers, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(sulfo-containing; oil/in/water cosmetics emulsions comprising monoesters and polymers)

IT 51-35-4, Hydroxyproline 56-40-6, Glycine, biological studies 56-41-7, Alanine, biological studies 56-45-1, Serine, biological studies 56-84-8, Aspartic acid, biological studies 56-86-0, Glutamic acid, biological studies 61-90-5, Leucine, biological studies 72-18-4, Valine, biological studies 72-19-5, Threonine, biological studies 73-32-5, Isoleucine, biological studies 74-79-3, Arginine, biological studies 107-95-9, β -Alanine 107-97-1, Sarcosine 147-85-3, Proline, biological studies 1319-82-0, Aminocaproic acid 2679-14-3, N-Methyl- β -alanine 9004-81-3, Polyethylene glycol monolaurate 9004-99-3, Polyethylene glycol monostearate 9005-02-1, Polyethylene glycol dilaurate 11099-07-3, Glyceryl stearate 25322-68-3D, Polyethylene glycol, cocoa derivs. 25322-68-3D, Polyethylene glycol, esters 27119-07-9D, 2-Acrylamido-2-methylpropane sulfonic acid homopolymer, crosslinked 28805-76-7, Aminobutyric acid 55406-53-6, 3-Iodo-2-propynylbutylcarbamate 89162-54-9 121567-05-3 184681-43-4 497919-49-0

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(oil/in/water cosmetics emulsions comprising monoesters and polymers)

IT 89162-54-9 121567-05-3 184681-43-4

497919-49-0

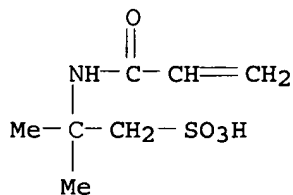
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(oil/in/water cosmetics emulsions comprising monoesters and polymers)

RN 89162-54-9 HCAPLUS
 CN 2-Propenoic acid, 2-methyl-, dodecyl ester, polymer with
 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid (9CI) (CA
 INDEX NAME)

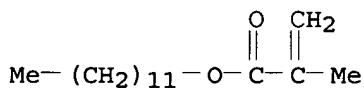
CM 1

CRN 15214-89-8
 CMF C7 H13 N O4 S



CM 2

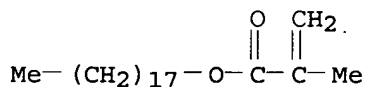
CRN 142-90-5
 CMF C16 H30 O2



RN 121567-05-3 HCAPLUS
 CN 2-Propenoic acid, 2-methyl-, octadecyl ester, polymer with
 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid (9CI) (CA
 INDEX NAME)

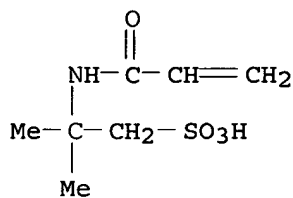
CM 1

CRN 32360-05-7
 CMF C22 H42 O2



CM 2

CRN 15214-89-8
 CMF C7 H13 N O4 S



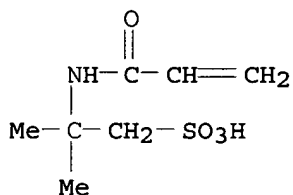
RN 184681-43-4 HCAPLUS

CN 1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propenyl)amino]-, polymer with N-dodecyl-2-methyl-2-propenamamide (9CI) (CA INDEX NAME)

CM 1

CRN 15214-89-8

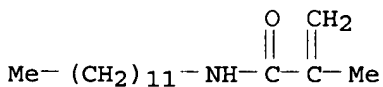
CMF C7 H13 N O4 S



CM 2

CRN 1191-39-5

CMF C16 H31 N O



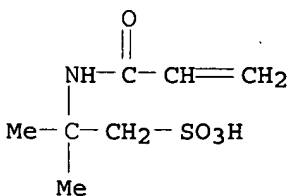
RN 497919-49-0 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, hexadecyl ester, polymer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid (9CI) (CA INDEX NAME)

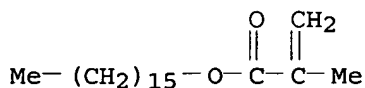
CM 1

CRN 15214-89-8

CMF C7 H13 N O4 S



CM 2

CRN 2495-27-4
CMF C20 H38 O2

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 12 OF 39 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2002:904374 HCAPLUS

DN 138:4886

TI Water-soluble polymers with water-soluble backbone and side units having
LCST in water, process for their preparation, aqueous compositions
containing them and their use in the field of cosmetics

IN L'allouret, Florence

PA L'oreal, Fr.

SO Eur. Pat. Appl., 25 pp.

CODEN: EPXXDW

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1260531	A1	20021127	EP 2002-291195	20020514
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	FR 2824832	A1	20021122	FR 2001-6450	20010516
	FR 2824832	B1	20050527		
	CA 2386016	AA	20021116	CA 2002-2386016	20020506
	US 2002198328	A1	20021226	US 2002-145142	20020515
	US 6689856	B2	20040210		
	JP 2003026737	A2	20030129	JP 2002-141093	20020516
	CN 1398905	A	20030226	CN 2002-119920	20020516
PRAI	FR 2001-6450	A	20010516		

AB Title polymers, useful in cosmetics, are manufactured by radical polymerization of water-soluble monomers and macromers having a repeating unit with LCST of which the temperature of demixing by heating an aqueous solution is 5-40° for a 1% of this unit in water. A typical polymer was manufactured by radical polymerization of 84 g AMPS ammonium salt with 36 g acrylamide derivative of Jeffamine M2005 (ethylene oxide-propylene oxide copolymer 2-aminopropyl Me ether) in tert-BuOH at 60°.

IC ICM C08F290-06

ICS C08F290-04; A61K007-48; A61K007-06

CC 35-8 (Chemistry of Synthetic High Polymers)

Section cross-reference(s): 62

ST water soluble polyelectrolyte cosmetic; AMPS ammonium salt polyoxyalkylene
acrylamide terminated copolymer manuf

IT Polyoxyalkylenes, preparation

RL: COS (Cosmetic use); IMF (Industrial manufacture); BIOL

(Biological study); PREP (Preparation); USES (Uses)

(acrylic, graft; water-soluble graft polymers with water-soluble backbones
and side units having LCST in water for cosmetics)

IT Cosmetics
(creams; water-soluble graft polymers with water-soluble backbones and side units having LCST in water for cosmetics)

IT Cosmetics
(foams; water-soluble graft polymers with water-soluble backbones and side units having LCST in water for cosmetics)

IT Macromonomers
RL: COS (Cosmetic use); IMF (Industrial manufacture); RCT (Reactant); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(for manufacture of water-soluble graft polymers with water-soluble backbones and side units having LCST in water for cosmetics)

IT Cosmetics
(makeups; water-soluble graft polymers with water-soluble backbones and side units having LCST in water for cosmetics)

IT Cosmetics
(moisturizers; water-soluble graft polymers with water-soluble backbones and side units having LCST in water for cosmetics)

IT Hair preparations
Hydrogels
Polyelectrolytes
(water-soluble graft polymers with water-soluble backbones and side units having LCST in water for cosmetics)

IT Polymers, preparation
RL: COS (Cosmetic use); IMF (Industrial manufacture); BIOL (Biological study); PREP (Preparation); USES (Uses)
(water-soluble; water-soluble graft polymers with water-soluble backbones and side units having LCST in water for cosmetics)

IT 79-10-7DP, Acrylic acid, reaction products with ethylene oxide-propylene oxide copolymer Me aminopropyl ether 79-41-4DP, Methacrylic acid, reaction products with polyisopropylacrylamide 25189-55-3DP, Poly-N-isopropylacrylamide, reaction products with methacrylic acid 83713-01-3DP, Jeffamine M2005, reaction products with acrylic acid 135808-14-9P
RL: COS (Cosmetic use); IMF (Industrial manufacture); RCT (Reactant); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(macromonomer; water-soluble graft polymers with water-soluble backbones and side units having LCST in water for cosmetics)

IT 476490-64-9P 476490-65-0P 476490-66-1P 476490-67-2P
RL: COS (Cosmetic use); IMF (Industrial manufacture); BIOL (Biological study); PREP (Preparation); USES (Uses)
(water-soluble graft polymers with water-soluble backbones and side units having LCST in water for cosmetics)

IT 476490-65-0P 476490-66-1P
RL: COS (Cosmetic use); IMF (Industrial manufacture); BIOL (Biological study); PREP (Preparation); USES (Uses)
(water-soluble graft polymers with water-soluble backbones and side units having LCST in water for cosmetics)

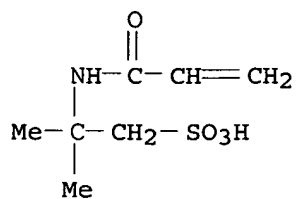
RN 476490-65-0 HCAPLUS

CN 2-Propenoic acid, 2-ethyl-2-[[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediyl ester, polymer with N-ethenylacetamide, methyloxirane, 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid monoammonium salt and oxirane, graft (9CI) (CA INDEX NAME)

CM 1

CRN 58374-69-9

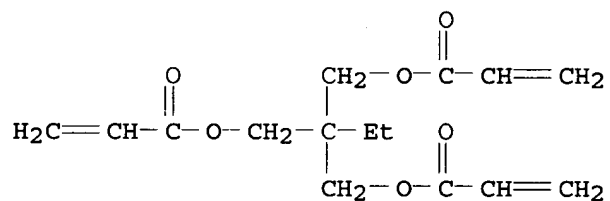
CMF C7 H13 N O4 S . H3 N

● NH₃

CM 2

CRN 15625-89-5

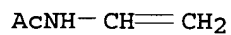
CMF C15 H20 O6



CM 3

CRN 5202-78-8

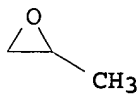
CMF C4 H7 N O



CM 4

CRN 75-56-9

CMF C3 H6 O



CM 5

CRN 75-21-8

CMF C2 H4 O

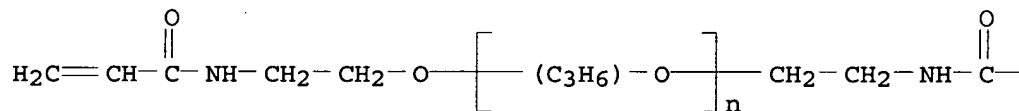


RN 476490-66-1 HCAPLUS
 CN 1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propenyl)amino]-, monoammonium salt, polymer with methyloxirane, α -[methyl-2-[(1-oxo-2-propenyl)amino]ethyl]- ω -[methyl-2-[(1-oxo-2-propenyl)amino]ethoxy]poly[oxy(methyl-1,2-ethanediyl)] and oxirane, graft (9CI) (CA INDEX NAME)

CM 1

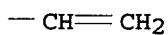
CRN 135808-14-9
 CMF (C3 H6 O)_n C12 H20 N2 O3
 CCI IDS, PMS

PAGE 1-A



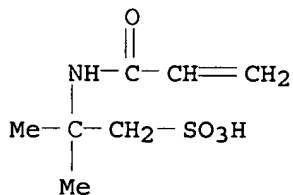
2 (D1-Me)

PAGE 1-B



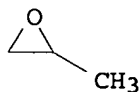
CM 2

CRN 58374-69-9
 CMF C7 H13 N O4 S . H3 N



CM 3

CRN 75-56-9
CMF C3 H6 O



CM 4

CRN 75-21-8
CMF C2 H4 O



RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 13 OF 39 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2002:591660 HCAPLUS

DN 137:145217

TI Powdery hair bleaching composition containing a **peroxy** salt, an amphiphilic polymer, and a polydecene

IN Legrand, Frederic; Millequant, Jean-Marie

PA L'Oreal, Fr.

SO Eur. Pat. Appl., 39 pp.

CODEN: EPXXDW

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1228751	A1	20020807	EP 2002-290199	20020129
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	FR 2820312	A1	20020809	FR 2001-1431	20010202
	FR 2820312	B1	20030502		
	ZA 2002000877	A	20020813	ZA 2002-877	20020131
	NZ 516946	A	20030926	NZ 2002-516946	20020131
	CA 2370057	AA	20020802	CA 2002-2370057	20020201
	AU 2002014761	A5	20020808	AU 2002-14761	20020201
	AU 777054	B2	20040930		
	BR 2002000359	A	20021008	BR 2002-359	20020201
	CN 1375274	A	20021023	CN 2002-106287	20020201
	RU 2226090	C2	20040327	RU 2002-102718	20020201
	JP 2002241250	A2	20020828	JP 2002-27490	20020204
	US 2002157193	A1	20021031	US 2002-61338	20020204
PRAI	FR 2001-1431	A	20010202		

AB A powdery hair bleaching composition comprises a **peroxy** salt, an amphiphilic non-ionic and/or anionic amphiphilic polymer containing a fatty chain, and a polydecene. The compn.is mixed with an oxidant composition containing no more than 40 volume hydrogen **peroxide** and used for hair bleaching. A hair bleach powder contained potassium persulfate 48, sodium persulfate 8, sodium metasilicate 12, ammonium chloride 4.5, magnesium

oxide 1, urea 4, EDTA 1, clay 4.5, FX-1100 (a nonionic amphiphilic polymer containing a fatty chain) 3, Jaguar XC-95/3 (a nonionic amphiphilic polymer containing a fatty chain) 1, sodium alginate 2, sodium cetostearyl sulfate 3, calcium stearate 2, titanium oxide 2, calcium stearate 2, dyes 0.2, Polycecene 2 g. The composition was stable after storage for 2 mo at 45°.

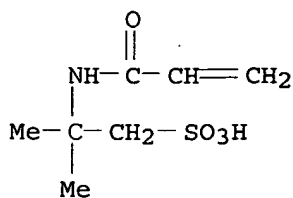
IC ICM A61K007-135
CC 62-4 (Essential Oils and Cosmetics)
ST hair bleaching powder peroxy salt polyldcene; amphiphilic
polymer hair bleaching powder polyldcene
IT Polymers, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(amphiphilic; powdery hair bleaching composition containing peroxy
salt, amphiphilic polymer, and polydecene)
IT Polyelectrolytes
(anionic, amphiphilic; powdery hair bleaching composition containing
peroxy salt, amphiphilic polymer, and polydecene)
IT Hair preparations
(bleaches; powdery hair bleaching composition containing peroxy salt,
amphiphilic polymer, and polydecene)
IT Salts, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(of peroxy acids; powdery hair bleaching composition containing
peroxy salt, amphiphilic polymer, and polydecene)
IT Polyurethanes, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(polyether-; powdery hair bleaching composition containing peroxy
salt, amphiphilic polymer, and polydecene)
IT 7722-84-1, Hydrogenperoxide, biological studies 7727-21-1,
Potassium persulfate 7775-27-1, Sodium persulfate 9000-30-0, Guar gum
9003-01-4D, Polyacrylic acid, crosslinked 9063-38-1 37309-58-3,
Polydecene 39421-75-5, Hydroxypropylguar 53694-17-0, Polyquaternium 22
121601-24-9, Hostacerin amps 146701-61-3, Carbopol 1382
154530-80-0, Ser-ad FX-1100 176429-87-1, Carbopol etd2020 219788-22-4,
Jaguar XC-95/3 333723-65-2, Silkflo 366 501084-84-0, Simulgel
EG 676168-27-7, Aculyn 22
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(powdery hair bleaching composition containing peroxy salt,
amphiphilic polymer, and polydecene)
IT 121601-24-9, Hostacerin amps 501084-84-0, Simulgel EG
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(powdery hair bleaching composition containing peroxy salt,
amphiphilic polymer, and polydecene)
RN 121601-24-9 HCAPLUS
CN 1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propenyl)amino]-,
homopolymer, ammonium salt (9CI) (CA INDEX NAME)

CM 1

CRN 27119-07-9
CMF (C7 H13 N O4 S)x
CCI PMS

CM 2

CRN 15214-89-8
CMF C7 H13 N O4 S



RN 501084-84-0 HCAPLUS

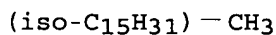
CN Sorbitan, mono-(9Z)-9-octadecenoate, poly(oxy-1,2-ethanediyl) derivs.,
 mixt. with isohexadecane and 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-
 propanesulfonic acid monosodium salt polymer with sodium 2-propenoate
 (9CI) (CA INDEX NAME)

CM 1

CRN 60908-77-2

CMF C16 H34

CCI IDS



CM 2

CRN 9005-65-6

CMF Unspecified

CCI PMS, MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 3

CRN 37350-42-8

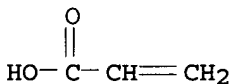
CMF (C7 H13 N O4 S . C3 H4 O2 . 2 Na)x

CCI PMS

CM 4

CRN 7446-81-3

CMF C3 H4 O2 . Na

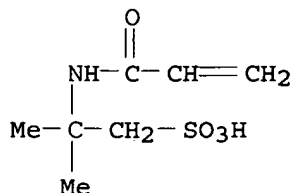


● Na

CM 5

CRN 5165-97-9

CMF C7 H13 N O4 S . Na



● Na

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 14 OF 39 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 2002:539502 HCAPLUS
DN 137:114229
TI Amphiphilic polymer-based photoprotective compositions with at least one monomer having ethylenic unsaturation with a sulfonic group and comprising a hydrophobic part
IN Boutelet, Karl; Candau, Didier
PA L'Oreal, Fr.
SO PCT Int. Appl., 51 pp.
CODEN: PIXXD2
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002055045	A1	20020718	WO 2002-FR28	20020104
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	FR 2819180	A1	20020712	FR 2001-387	20010111
	FR 2819180	B1	20030221		
	EP 1353642	A1	20031022	EP 2002-711921	20020104
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	JP 2005500980	T2	20050113	JP 2002-555781	20020104
	US 2004071641	A1	20040415	US 2003-617092	20030711
PRAI	FR 2001-387	A	20010111		
	WO 2002-FR28	W	20020104		

OS MARPAT 137:114229

AB The invention relates to a cosmetic or dermatol. composition comprising at least one photoprotective system capable of filtering UV rays and containing at least one mineral or organic insol. UV filter having a particle size varying between 5 nm and 5 µm, characterized by the fact that it also comprises at least one amphiphilic polymer containing at least one monomer

having ethylenic unsatn. with a sulfonic group, in free form or partially or totally neutralized, and comprising at least one hydrophobic part. The invention also relates to the application of said compns. for the protection of the skin and hair against the effects of UV rays.

A polymer was obtained by polymerization of Genapol T-250 methacrylate 10, 2-acrylamido-2-methylpropane sulfonic acid neutralized by ammonia 90, trimethylol propane triacrylate 1.8, dilauryl peroxide 1, and tert-butanol 300 g. An sunscreen contained 2-acrylamido-2-methylpropane sulfonic acid-dodecylacrylamide neutralized with sodium hydroxide 1.5, Uvinul N539 9, Bu methoxydibenzoylmethane 2.5, Drometrizole trisiloxane 0.75, decyl cocoate 9, glycerol 4, propylene glycol 4, NaEDTA 0.1, Mexoryl SX 1.5, triethanolamine 0.25, coated titanium oxide 16.7, preservatives and water q.s. 100 g.

IC ICM A61K007-42

CC 62-4 (Essential Oils and Cosmetics)

Section cross-reference(s): 38

ST amphiphilic polymer photoprotective compn sunscreen

IT Antibacterial agents

Antioxidants

Dyes

Emulsifying agents

Gelation agents

Hair preparations

Insecticides

Particle size

Perfumes

Pigments, nonbiological

Preservatives

Sequestering agents

Sunscreens

Surfactants

Thickening agents

UV A radiation

UV B radiation

UV radiation

(amphiphilic polymer-based photoprotective compns. with at least one monomer having ethylenic unsatn. with sulfonic group and comprising hydrophobic part)

IT Carboxylic acids, biological studies

Ceramides

Vitamins

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(amphiphilic polymer-based photoprotective compns. with at least one monomer having ethylenic unsatn. with sulfonic group and comprising hydrophobic part)

IT Acids, uses

RL: NUU (Other use, unclassified); USES (Uses)

(amphiphilic polymer-based photoprotective compns. with at least one monomer having ethylenic unsatn. with sulfonic group and comprising hydrophobic part)

IT Alkali metal hydroxides

RL: NUU (Other use, unclassified); USES (Uses)

(amphiphilic polymer-based photoprotective compns. with at least one monomer having ethylenic unsatn. with sulfonic group and comprising hydrophobic part)

IT Polymers, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(amphiphilic; amphiphilic polymer-based photoprotective compns. with at least one monomer having ethylenic unsatn. with sulfonic group and comprising hydrophobic part)

- IT Cosmetics
(creams; amphiphilic polymer-based photoprotective compns. with at least one monomer having ethylenic unsatn. with sulfonic group and comprising hydrophobic part)
- IT Cosmetics
(emollients; amphiphilic polymer-based photoprotective compns. with at least one monomer having ethylenic unsatn. with sulfonic group and comprising hydrophobic part)
- IT Cosmetics
(foundations; amphiphilic polymer-based photoprotective compns. with at least one monomer having ethylenic unsatn. with sulfonic group and comprising hydrophobic part)
- IT Cosmetics
(gels; amphiphilic polymer-based photoprotective compns. with at least one monomer having ethylenic unsatn. with sulfonic group and comprising hydrophobic part)
- IT Acne
Dandruff
(inhibitors; amphiphilic polymer-based photoprotective compns. with at least one monomer having ethylenic unsatn. with sulfonic group and comprising hydrophobic part)
- IT Radicals, biological studies
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(inhibitors; amphiphilic polymer-based photoprotective compns. with at least one monomer having ethylenic unsatn. with sulfonic group and comprising hydrophobic part)
- IT Cosmetics
(makeups; amphiphilic polymer-based photoprotective compns. with at least one monomer having ethylenic unsatn. with sulfonic group and comprising hydrophobic part)
- IT Cosmetics
(moisturizers; amphiphilic polymer-based photoprotective compns. with at least one monomer having ethylenic unsatn. with sulfonic group and comprising hydrophobic part)
- IT Cosmetics
(mousses; amphiphilic polymer-based photoprotective compns. with at least one monomer having ethylenic unsatn. with sulfonic group and comprising hydrophobic part)
- IT Solvents
(organic; amphiphilic polymer-based photoprotective compns. with at least one monomer having ethylenic unsatn. with sulfonic group and comprising hydrophobic part)
- IT Hair preparations
(permanent wave; amphiphilic polymer-based photoprotective compns. with at least one monomer having ethylenic unsatn. with sulfonic group and comprising hydrophobic part)
- IT Cosmetics
(powders; amphiphilic polymer-based photoprotective compns. with at least one monomer having ethylenic unsatn. with sulfonic group and comprising hydrophobic part)
- IT Cosmetics
(sprays; amphiphilic polymer-based photoprotective compns. with at least one monomer having ethylenic unsatn. with sulfonic group and comprising hydrophobic part)
- IT Cosmetics
(sticks; amphiphilic polymer-based photoprotective compns. with at least one monomer having ethylenic unsatn. with sulfonic group and comprising hydrophobic part)
- IT Cosmetics
(suspensions; amphiphilic polymer-based photoprotective compns. with at

- least one monomer having ethylenic unsatn. with sulfonic group and comprising hydrophobic part)
- IT Alcohols, biological studies
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(tallow, ethoxylated, methacrylate ester polymers; amphiphilic polymer-based photoprotective compns. with at least one monomer having ethylenic unsatn. with sulfonic group and comprising hydrophobic part)
- IT 51-17-2D, Benzimidazole, derivs. 69-72-7D, Salicylic acid, derivs. 76-22-2D, Camphor, derivs. 79-10-7D, Acrylic acid, di-Ph derivs. 95-14-7D, 1H-Benzotriazole, derivs. 100-42-5D, Styrene, alkyl derivs. 101-05-3D, Triazine, derivs. 106-99-0D, Butadiene, derivs. 118-60-5, 2-Ethylhexyl salicylate 119-61-9D, Benzophenone, derivs. 120-46-7D, Dibenzoylmethane, derivs. 131-57-7, Benzophenone 3 150-13-0D, p-Aminobenzoic acid, derivs. 584-45-2D, Benzalmalonic acid, derivs. 621-82-9D, Cinnamic acid, derivs. 904-39-2 1047-63-8 2442-21-9 3846-71-7 3878-69-1 4065-45-6, Benzophenone 4 4506-61-0D, derivs. 5466-77-3, 2-Ethylhexyl 4-methoxycinnamate 6197-30-4, OCTOCRYLENE 6628-37-1, Benzophenone 5 6965-02-2, 2,2'-Bi-1H-benzimidazole 14468-52-1 14484-01-6 14595-67-6 15179-41-6 18509-47-2 21703-55-9 22105-53-9 25973-55-1 27119-07-9, 2-Acrylamido-2-methylpropane sulfonic acid homopolymer 27503-81-7, Phenylbenzimidazolesulfonic acid 28299-33-4D, Imidazoline, derivs. 30653-05-5 36437-37-3 36861-47-9 57791-75-0, Ethyl-3-octylamino-2-butenate 58087-02-8D, alkylated 59049-84-2 70321-86-7 70356-09-1, Butylmethoxydibenzoylmethane 78196-70-0 88122-99-0 88620-50-2, 4-Octylamino-3-penten-2-one 88620-51-3 88620-52-4 92761-26-7 103597-45-1 112291-46-0 119014-10-7 135057-77-1 150771-68-9 150771-71-4 154702-15-5 154778-80-0 155633-54-8, Drometrizole trisiloxane 162245-07-0 178437-12-2 178437-13-3 178437-18-8 189622-92-2 191419-26-8, Anisotriazine 194731-15-2 194731-16-3 194731-17-4 194731-18-5 207913-05-1 288247-75-6 425604-16-6 425604-17-7
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(amphiphilic polymer-based photoprotective compns. with at least one monomer having ethylenic unsatn. with sulfonic group and comprising hydrophobic part)
- IT 96-05-9DP, crosslinked polymers with acrylic monomers 110-26-9DP, crosslinked polymers with acrylic monomers 15625-89-5DP, crosslinked polymers with acrylic monomers 58374-69-9DP, crosslinked polymers with acrylic monomers
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(amphiphilic polymer-based photoprotective compns. with at least one monomer having ethylenic unsatn. with sulfonic group and comprising hydrophobic part)
- IT 75-65-0, Tert-Butanol, reactions 96-05-9, Allyl methacrylate 110-26-9, Methylene bis acrylamide 15625-89-5, Trimethylolpropane triacrylate
RL: RCT (Reactant); RACT (Reactant or reagent)
(amphiphilic polymer-based photoprotective compns. with at least one monomer having ethylenic unsatn. with sulfonic group and comprising hydrophobic part)
- IT 135057-77-1
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(amphiphilic polymer-based photoprotective compns. with at least one monomer having ethylenic unsatn. with sulfonic group and comprising hydrophobic part)
- RN 135057-77-1 HCAPLUS
CN 1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propenyl)amino]-, polymer with N-dodecyl-2-propenamide, sodium salt (9CI) (CA INDEX NAME)

CM 1

CRN 135057-76-0

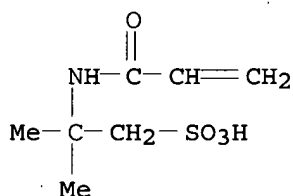
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CCI PMS

CM 2

CRN 15214-89-8

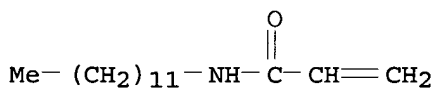
CMF C7 H13 N O4 S



CM 3

CRN 1506-53-2

CMF C15 H29 N O



RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 15 OF 39 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2002:504583 HCAPLUS

DN 137:83376

TI Oxidizing composition for treating keratinous materials based on
amphiphilic polymers of at least an ethylenically unsaturated monomer with
sulfonic group and comprising a **hydrophobic** part

IN Kravtchenko, Sylvain; Lagrange, Alain

PA L'oreal, Fr.

SO PCT Int. Appl., 57 pp.

CODEN: PIXXD2

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002051369	A1	20020704	WO 2001-FR4077	20011219
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,				
	CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,				
	GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,				
	LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,				
	PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,				
	UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,				
	TJ, TM				

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

FR 2818540	A1	20020628	FR 2000-16954	20001222
FR 2818543	A1	20020628	FR 2001-328	20010111
FR 2818543	B1	20050902		
CA 2432569	AA	20020704	CA 2001-2432569	20011219
EP 1347736	A1	20031001	EP 2001-994913	20011219

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

BR 2001016705	A	20031223	BR 2001-16705	20011219
CN 1492753	A	20040428	CN 2001-822831	20011219
JP 2004538248	T2	20041224	JP 2002-552516	20011219
US 2004074015	A1	20040422	US 2003-451409	20031201

PRAI FR 2000-16954 A 20001222

FR 2001-328 A 20010111

WO 2001-FR4077 W 20011219

AB The invention concerns a cosmetic composition for treating keratinous materials comprising in a carrier suitable for keratinous materials: (a) at least an amphiphilic polymer comprising at least an ethylenically unsatd. monomer with sulfonic group, in free form or partly or completely neutralized and further at least a **hydrophobic** part; (b) at least an oxidizing agent. A polymer was prepared by the reaction of Genapol T-250 methacrylate (preparation given) 10, 2-acrylamido-2-methylpropane sulfonic acid neutralized with NH₃ 90, trimethylol propane triacrylate 1.8, dilauryl **peroxide** 1, and tert-butanol 300 g. An oxidative hair dye contained 2-acrylamido-2-methylpropane sulfonic acid copolymer with n-dodecylacrylamide neutralized 100% by sodium hydroxide 1, tetrasodium pyrophosphate 0.02, sodium stannate 0.04, pentasodium pentaacetate 0.06, 20 volume hydrogen **peroxide** water q.s. 100%. After the application of the dye on the hair, a uniform chestnut brown is developed.

IC ICM A61K007-06

ICS A61K007-13; A61K007-135; A61K007-09

CC 62-3 (Essential Oils and **Cosmetics**)

Section cross-reference(s): 35

ST oxidative hair dye amphiphilic acrylic sulfonate polymer

IT Alcohols, preparation

RL: SPN (Synthetic preparation); PREP (Preparation)

(C12-14, ethoxylated, Genapol LA 090, (meth)acrylate esters; oxidative hair dyes containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)

IT Polyelectrolytes

(amphoteric; oxidative hair dyes containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)

IT Polyelectrolytes

(cationic; oxidative hair dyes containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)

IT Hair preparations

(dyes, oxidative; oxidative hair dyes containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)

IT Oxidizing agents

Stabilizing agents

Surfactants

(oxidative hair dyes containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)

IT **Peroxy**sulfates

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(oxidative hair dyes containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)

IT Acrylic polymers, biological studies

RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(oxidative hair dyes containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)

IT Group IIIA element compounds
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(perborates; oxidative hair dyes containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)

IT Hair preparations
(permanent wave; oxidative hair dyes containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)

IT Alcohols, biological studies
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(tallow, ethoxylated, Genapol T 250, methacrylate esters, polymers containing; oxidative hair dyes containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)

IT 15625-89-5P
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(crosslinking agents; oxidative hair dyes containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)

IT 62-44-2, Phenacetin 124-43-6 148-24-3D, Oxyquinoline, salts 2466-09-3D, Pyrophosphoric acid, alkali metal salts 7722-84-1, Hydrogen peroxide, biological studies 39311-68-7D, Stannic acid, alkali metal salts
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(oxidative hair dyes containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)

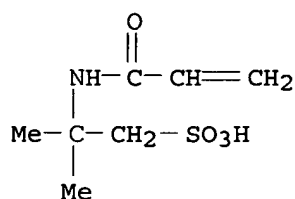
IT 96-05-9P 110-26-9P **58374-69-9P**
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(oxidative hair dyes containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)

IT 79-10-7, 2-Propenoic acid, reactions 79-41-4, reactions 80-62-6 96-33-3 106-91-2 814-68-6, 2-Propenoyl chloride 920-46-7
RL: RCT (Reactant); RACT (Reactant or reagent)
(oxidative hair dyes containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)

IT 25736-86-1DP, Polyethylene glycol monomethacrylate, C12-14-alkyl and tallow alkyl ethers 26403-58-7DP, Polyethylene glycol monoacrylate, C12-14-alkyl and tallow alkyl ethers 440081-39-0P 440081-40-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(oxidative hair dyes containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)

IT **58374-69-9P**
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(oxidative hair dyes containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)

RN 58374-69-9 HCAPLUS
CN 1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propenyl)amino]-, monoammonium salt (9CI) (CA INDEX NAME)

● NH₃

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 16 OF 39 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 2002:504582 HCAPLUS
DN 137:83375
TI Reducing composition for treating keratinous materials based on
amphiphilic polymers of at least an ethylenically unsaturated monomer with
sulfonic group and comprising a **hydrophobic** part
IN Kravtchenko, Sylvain; Lagrange, Alain
PA L'oreal, Fr.
SO PCT Int. Appl., 57 pp.
CODEN: PIXXD2
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002051368	A1	20020704	WO 2001-FR4076	20011219
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,				
	CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,				
	GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,				
	LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,				
	PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,				
	UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,				
	TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,				
	CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,				
	BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	FR 2818545	A1	20020628	FR 2000-16951	20001222
	FR 2818546	A1	20020628	FR 2001-327	20010111
	FR 2818546	B1	20030404		
	EP 1345578	A1	20030924	EP 2001-994912	20011219
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				
	IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
PRAI	FR 2000-16951	A	20001222		
	FR 2001-327	A	20010111		
	WO 2001-FR4076	W	20011219		
OS	MARPAT 137:83375				

AB The invention concerns a cosmetic composition for treating keratinous materials comprising in a carrier suitable for keratinous materials: (a) at least an amphiphilic polymer comprising at least an ethylenically unsatd. monomer with sulfonic group, in free form or partly or completely neutralized and further at least a **hydrophobic** part; (b) at least a reducing agent. The invention also concerns methods and devices for bleaching or permanent waving of keratinous fibers using said composition A polymer was

prepared by the reaction of Genapol T-250 methacrylate (preparation given) 10, 2-acrylamido-2-methylpropane sulfonic acid neutralized with NH₃ 90, trimethylol propane triacrylate 1.8, dilauryl peroxide 1, and tert-butanol 300 g. A hair bleach contained 2-acrylamido-2-methylpropane sulfonic acid copolymer with n-dodecylacrylamide neutralized 100% by sodium hydroxide 1, isostearyl alc. 12, benzyl alc. 10, sodium hydroxymethane sulfonate 7, and water q.s. 100%.

- IC ICM A61K007-06
- ICS A61K007-48
- CC 62-3 (Essential Oils and Cosmetics)
Section cross-reference(s): 35
- ST hair bleach amphiphilic acrylic sulfonate polymer
- IT Alcohols, preparation
RL: SPN (Synthetic preparation); PREP (Preparation)
(C12-14, ethoxylated, Genapol LA 090, acrylate and methacrylate esters;
hair bleaches and hair waves containing amphiphilic polymers of at least
ethylenically unsatd. monomer with sulfonic group)
- IT Carbonates, uses
RL: NUU (Other use, unclassified); USES (Uses)
(alkali; hair bleaches and hair waves containing amphiphilic polymers of at
least ethylenically unsatd. monomer with sulfonic group)
- IT Betaines
RL: NUU (Other use, unclassified); USES (Uses)
(amidoalkyl, cocoyl derivs.; hair bleaches and hair waves containing
amphiphilic polymers of at least ethylenically unsatd. monomer with
sulfonic group)
- IT Alcohols, uses
RL: NUU (Other use, unclassified); USES (Uses)
(amino; hair bleaches and hair waves containing amphiphilic polymers of at
least ethylenically unsatd. monomer with sulfonic group)
- IT Polyelectrolytes
Surfactants
(amphoteric; hair bleaches and hair waves containing amphiphilic polymers
of at least ethylenically unsatd. monomer with sulfonic group)
- IT Surfactants
(anionic; hair bleaches and hair waves containing amphiphilic polymers of
at least ethylenically unsatd. monomer with sulfonic group)
- IT Hair preparations
(bleaches; hair bleaches and hair waves containing amphiphilic polymers of
at least ethylenically unsatd. monomer with sulfonic group)
- IT Polyelectrolytes
Surfactants
(cationic; hair bleaches and hair waves containing amphiphilic polymers of
at least ethylenically unsatd. monomer with sulfonic group)
- IT Dyes
(direct; hair bleaches and hair waves containing amphiphilic polymers of at
least ethylenically unsatd. monomer with sulfonic group)
- IT Surfactants
(hair bleaches and hair waves containing amphiphilic polymers of at least
ethylenically unsatd. monomer with sulfonic group)
- IT Sulfites
Thiols, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(hair bleaches and hair waves containing amphiphilic polymers of at least
ethylenically unsatd. monomer with sulfonic group)
- IT Acrylic polymers, biological studies
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological
study); PREP (Preparation); USES (Uses)
(hair bleaches and hair waves containing amphiphilic polymers of at least
ethylenically unsatd. monomer with sulfonic group)

- IT Acids, uses
Alkali metal hydroxides
Carboxylic acids, uses
Sulfonic acids, uses
RL: NUU (Other use, unclassified); USES (Uses)
(hair bleaches and hair waves containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)
- IT Surfactants
(nonionic; hair bleaches and hair waves containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)
- IT Acids, uses
RL: NUU (Other use, unclassified); USES (Uses)
(organic; hair bleaches and hair waves containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)
- IT Hair preparations
(permanent wave; hair bleaches and hair waves containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)
- IT Alcohols, biological studies
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(tallow, ethoxylated, methacrylate esters, polymers containing; hair bleaches and hair waves containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)
- IT 25736-86-1DP, Polyethylene glycol monomethacrylate, C12-14-alkyl and tallow alkyl ethers 26403-58-7DP, Polyethylene glycol monoacrylate, C12-14-alkyl and tallow alkyl ethers
RL: SPN (Synthetic preparation); PREP (Preparation)
(Genapol LA 090, acrylate and methacrylate esters; hair bleaches and hair waves containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)
- IT 15625-89-5P
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(crosslinking agents; hair bleaches and hair waves containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)
- IT 50-81-7, Ascorbic acid, biological studies 52-90-4, Cysteine, biological studies 60-23-1, Cysteamine 68-11-1, Thioglycolic acid, biological studies 79-10-7D, Acrylic acid, copolymer with dimethyldiallylammonium salts 79-42-5, Thiolactic acid 89-65-6D, Erythorbic acid, esters 124-43-6 7722-84-1, Hydrogen peroxide, biological studies 48042-45-1D, Dimethyldiallylammonium, salts, copolymer with acrylic acid
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(hair bleaches and hair waves containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)
- IT 96-05-9P 110-26-9P 58374-69-9P
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(hair bleaches and hair waves containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)
- IT 50-21-5, Lactic acid, uses 74-79-3, Arginine, uses 77-92-9, Citric acid, uses 102-71-6, Triethanolamine, uses 111-42-2, Diethanolamine, uses 141-43-5, Monoethanolamine, uses 526-83-0, Tartaric acid 1310-73-2, Sodiumhydroxide, uses 7647-01-0, Hydrochloric acid, uses 7664-38-2, Orthophosphoric acid, uses 7664-41-7, Ammonia, uses 52503-47-6
RL: NUU (Other use, unclassified); USES (Uses)
(hair bleaches and hair waves containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)
- IT 79-10-7, 2-Propenoic acid, reactions 79-41-4, reactions 80-62-6 96-33-3 106-91-2 814-68-6, 2-Propenoyl chloride 920-46-7

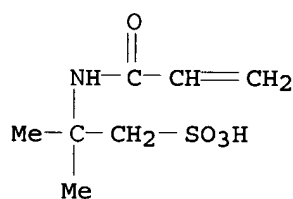
RL: RCT (Reactant); RACT (Reactant or reagent)
 (hair bleaches and hair waves containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)

IT 440081-39-0P 440081-40-3P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (hair bleaches and hair waves containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)

IT 58374-69-9P
 RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (hair bleaches and hair waves containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)

RN 58374-69-9 HCAPLUS

CN 1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propenyl)amino]-, monoammonium salt (9CI) (CA INDEX NAME)



● NH₃

RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD.
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 17 OF 39 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2002:504581 HCAPLUS

DN 137:83374

TI Oxidation dyeing composition for keratinous fibers based on amphiphilic polymers of at least an ethylenically unsaturated monomer with sulfonic group and comprising a **hydrophobic** part

IN Kravtchenko, Sylvain; Lagrange, Alain

PA L'oreal, Fr.

SO PCT Int. Appl., 65 pp.

CODEN: PIXXD2

DT Patent

LA French

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002051367	A1	20020704	WO 2001-FR4075	20011219
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
FR 2818537	A1	20020628	FR 2000-16949	20001222

FR 2818542	A1	20020628	FR 2001-326	20010111
FR 2818542	B1	20040430		
EP 1345577	A1	20030924	EP 2001-994911	20011219
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
US 2005086745	A1	20050428	US 2003-450703	20011219
PRAI FR 2000-16949	A	20001222		
FR 2001-326	A	20010111		
WO 2001-FR4075	W	20011219		

OS MARPAT 137:83374

AB The invention concerns an oxidation dyeing composition for keratinous fibers, in particular for human keratinous fibers and more particularly hair, comprising, in a medium suited for dyeing, at least an oxidation dyeing agent, and also at least an amphiphilic polymer including at least an ethylenically unsatd. monomer with a sulfonic group, in free form or partly or completely neutralized and further at least a hydrophobic part. The invention also concerns dyeing methods and devices using said composition. A polymer was prepared by the reaction of Genapol T 250 methacrylate (preparation given) 10, 2-acrylamido-2-methylpropane sulfonic acid neutralized with NH3 90, trimethylol propane triacrylate 1.8, dilauryl peroxide 1, and tert-butanol 300 g. A hair dye contained 2-acrylamido-2-methylpropane sulfonic acid copolymer with n-dodecylacrylamide neutralized 100% by sodium hydroxide 1, isostearyl alc. 12, benzyl alc. 4, polyethylene glycol 3, ethanol 10, paraphenylenediamine 0.54, 2-methyl-5-aminophenol 0.615, sodium metabisulfite 0.2, sequestering agent q.s., 20% ammonia 10, and water q.s. 100%. At the time of application qual amts. of the dye is mixed with oxidant composition containing 7.5% hydrogen peroxide and applied on the hair, and left for 30 min, the hair is then rinsed with water, washed with shampoo, , rinsed and dried to obtain a uniform violet color.

IC ICM A61K007-06
ICS A61K007-48; A61K007-13

CC 62-3 (Essential Oils and Cosmetics)
Section cross-reference(s): 35

ST oxidative hair dye amphiphilic acrylic sulfonate polymer

IT Alcohols, preparation
RL: SPN (Synthetic preparation); PREP (Preparation)
(C12-14, ethoxylated, Genapol LA 090, acrylate and methacrylate esters; oxidative hair dyes containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)

IT Bromates
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(alkali metal salts; oxidative hair dyes containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)

IT Polyelectrolytes
Surfactants
(amphoteric; oxidative hair dyes containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)

IT Surfactants
(anionic; oxidative hair dyes containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)

IT Polyelectrolytes
Surfactants
(cationic; oxidative hair dyes containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)

IT Dyes
(direct; oxidative hair dyes containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)

IT Hair preparations
(dyes, oxidative; oxidative hair dyes containing amphiphilic polymers of at

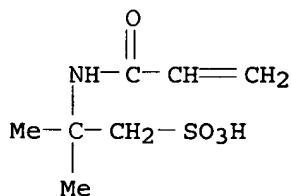
- least ethylenically unsatd. monomer with sulfonic group)
- IT Surfactants
(nonionic; oxidative hair dyes containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)
- IT Salts, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(of peroxy acids; oxidative hair dyes containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)
- IT Coupling agents
Oxidizing agents
Reducing agents
Surfactants
(oxidative hair dyes containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)
- IT Enzymes, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(oxidative hair dyes containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)
- IT Acrylic polymers, biological studies
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(oxidative hair dyes containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)
- IT Alcohols, biological studies
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(tallow, ethoxylated, Genapol T 250, methacrylate esters, polymers containing; oxidative hair dyes containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)
- IT 95-54-5, 1,2-Benzenediamine, biological studies 95-55-6 106-50-3, p-Phenylenediamine, biological studies 108-45-2, 1,3-Benzenediamine, biological studies 123-30-8, p-Aminophenol 124-43-6 591-27-5 612-76-0, m-Diphenol 7722-84-1, Hydrogen peroxide, biological studies 9055-15-6, Oxidoreductase
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(oxidative hair dyes containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)
- IT 96-05-9DP, polymers containing 110-26-9DP, polymers containing 15625-89-5P 58374-69-9DP, polymers containing
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(oxidative hair dyes containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)
- IT 79-10-7, 2-Propenoic acid, reactions 79-41-4, reactions 80-62-6 96-33-3 106-91-2 814-68-6, 2-Propenoyl chloride 920-46-7
RL: RCT (Reactant); RACT (Reactant or reagent)
(oxidative hair dyes containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)
- IT 440081-39-0P 440081-40-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(oxidative hair dyes containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)
- IT 25736-86-1DP, Polyethylene glycol monomethacrylate, alkyl ethers 26403-58-7DP, Polyethylene glycol monoacrylate, alkyl ethers
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(polymers containing; oxidative hair dyes containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)
- IT 58374-69-9DP, polymers containing
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological

study); PREP (Preparation); USES (Uses)

(oxidative hair dyes containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)

RN 58374-69-9 HCAPLUS

CN 1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propenyl)amino]-, monoammonium salt (9CI) (CA INDEX NAME)



● NH₃

RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 18 OF 39 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2002:504580 HCAPLUS

DN 137:83373

TI Direct dyeing composition for keratinous fibers based on amphiphilic polymers of at least an ethylenically unsaturated monomer with sulfonic group and comprising a **hydrophobic** part

IN Kravtchenko, Sylvain; Lagrange, Alain

PA L'oreal, Fr.

SO PCT Int. Appl., 60 pp.

CODEN: PIXXD2

DT Patent

LA French

FAN.CNT 1

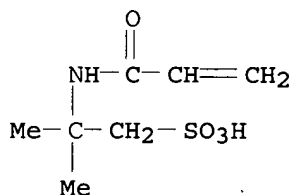
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002051366	A1	20020704	WO 2001-FR4074	20011219
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
FR 2818536	A1	20020628	FR 2000-16948	20001222
FR 2818544	A1	20020628	FR 2001-329	20010111
FR 2818544	B1	20030404		
EP 1345576	A1	20030924	EP 2001-994910	20011219
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
PRAI FR 2000-16948	A	20001222		
FR 2001-329	A	20010111		
WO 2001-FR4074	W	20011219		

AB The invention concerns a direct dyeing composition for keratinous fibers, in

particular human keratinous fibers and more particularly hair, comprising, in a medium suited for dyeing, at least a direct dyeing agent, and also at least an amphiphilic polymer comprising at least an ethylenically unsatd. monomer with sulfonic group, in free form or partly or completely neutralized and further at least a **hydrophobic** part. The invention also concerns dyeing methods and devices using said composition. A polymer was prepared by the reaction of Genapol T-250 methacrylate (preparation given) 10, 2-acrylamido-2-methylpropane sulfonic acid neutralized with NH₃ 90, trimethylol propane triacrylate 1.8, dilauryl **peroxide** 1, and tert-butanol 300 g. A hair dye contained 2-acrylamido-2-methylpropane sulfonic acid copolymer with n-dodecylacrylamide neutralized 100% by sodium hydroxide 1, isostearyl alc. 12, benzyl alc. 4, polyethylene glycol 6, 1-hydroxy-4- β -hydroxyethylamino-3-nitrobenzene 0.5, sequestering agent q.s., phosphate buffer 7, and water q.s. 100%. After the application of the dye on the hair, a red-copper color is developed.

- IC ICM A61K007-06
- ICS A61K007-48; A61K007-13
- CC 62-3 (Essential Oils and **Cosmetics**)
Section cross-reference(s): 35
- ST oxidative hair dye amphiphilic acrylic sulfonate polymer
- IT Alcohols, preparation
RL: SPN (Synthetic preparation); PREP (Preparation)
(C12-14, ethoxylated, Genapol LA 090, acrylate and methacrylate esters;
oxidative hair dyes containing amphiphilic polymers of at least
ethylenically unsatd. monomer with sulfonic group)
- IT Bromates
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(alkali metal salts; oxidative hair dyes containing amphiphilic polymers of
at least ethylenically unsatd. monomer with sulfonic group)
- IT Polyelectrolytes
(amphoteric; oxidative hair dyes containing amphiphilic polymers of at
least ethylenically unsatd. monomer with sulfonic group)
- IT Polyelectrolytes
(cationic; oxidative hair dyes containing amphiphilic polymers of at least
ethylenically unsatd. monomer with sulfonic group)
- IT Dyes
(direct; oxidative hair dyes containing amphiphilic polymers of at least
ethylenically unsatd. monomer with sulfonic group)
- IT Hair preparations
(dyes, oxidative; oxidative hair dyes containing amphiphilic polymers of at
least ethylenically unsatd. monomer with sulfonic group)
- IT Salts, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(of **peroxy** acids; oxidative hair dyes containing amphiphilic
polymers of at least ethylenically unsatd. monomer with sulfonic group)
- IT Oxidizing agents
Surfactants
(oxidative hair dyes containing amphiphilic polymers of at least
ethylenically unsatd. monomer with sulfonic group)
- IT Enzymes, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(oxidative hair dyes containing amphiphilic polymers of at least
ethylenically unsatd. monomer with sulfonic group)
- IT Acrylic polymers, biological studies
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological
study); PREP (Preparation); USES (Uses)
(oxidative hair dyes containing amphiphilic polymers of at least
ethylenically unsatd. monomer with sulfonic group)
- IT Alcohols, biological studies
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological

- study); PREP (Preparation); USES (Uses)
 (tallow, ethoxylated, methacrylate esters, polymers containing; oxidative hair dyes containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)
- IT 124-43-6 7722-84-1, Hydrogen peroxide, biological studies
 9055-15-6, Oxidoreductase
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (oxidative hair dyes containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)
- IT 96-05-9DP, Allyl methacrylate, polymers containing 110-26-9DP, Methylenebis acrylamide, polymers containing 15625-89-5DP, TMPTA, polymers containing 58374-69-9DP, polymers containing
 RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (oxidative hair dyes containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)
- IT 79-10-7, Acrylic acid, reactions 79-41-4, Methacrylic acid, reactions 80-62-6, Methyl methacrylate 96-33-3, Methyl acrylate 106-91-2, Glycidyl methacrylate 814-68-6, Acryloyl chloride 920-46-7, Methacryloyl chloride
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (oxidative hair dyes containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)
- IT 25736-86-1DP, Polyethylene glycol monomethacrylate, C12-14-alkyl ethers 26403-58-7DP, Polyethylene glycol monoacrylate, C12-14-alkyl ethers 440081-39-0P 440081-40-3P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (oxidative hair dyes containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)
- IT 58374-69-9DP, polymers containing
 RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (oxidative hair dyes containing amphiphilic polymers of at least ethylenically unsatd. monomer with sulfonic group)
- RN 58374-69-9 HCAPLUS
- CN 1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propenyl)amino]-, monoammonium salt (9CI) (CA INDEX NAME)



● NH₃

RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 19 OF 39 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2002:428985 HCAPLUS

DN 137:24110

TI Use of comb copolymers based on acryloyldimethyltaurine acid in cosmetic, pharmaceutical, and dermatological products

IN Loeffler, Matthias; Morschhaeuser, Roman; Schade, Manfred

PA Clariant Gmbh, Germany

SO PCT Int. Appl., 51 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 16

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002044270	A2	20020606	WO 2001-EP13865	20011128
	WO 2002044270	A3	20021114		
	W: BR, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
	DE 10059825	A1	20020613	DE 2000-10059825	20001201
	JP 2002326907	A2	20021115	JP 2001-295997	20010927
	BR 2001015805	A	20030916	BR 2001-15805	20011128
	EP 1354000	A2	20031022	EP 2001-989526	20011128
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR				
	US 2005089536	A1	20050428	US 2003-433203	20011128
PRAI	DE 2000-10059825	A	20001201		
	WO 2001-EP13865	W	20011128		

AB The invention relates to the use of copolymers which are obtained by radical copolymerization of (A) acryloyldimethyltaurine acid and/or acryloyldimethyltaurates, (B) optionally, one or more additional olefinically unsaturated, non-cationic comonomers, (C) optionally, one or more olefinically unsaturated, cationic comonomers, (D) optionally, one or more components containing Si, (E) optionally, one or more components containing F and (F) optionally, one or more macromonomers not containing F or Si, and (G) optionally, ≥ 1 polymerizable polymeric additive, provided that component (A) is copolymerized with ≥ 1 of groups (D) to (G), as thickeners, dispersing agents, suspending agents, emulsifiers, stabilizers, solubilizers, conditioning agents, consistency-giving agents, lubricants, bonding agents and/or conditioners in cosmetic, pharmaceutical and dermatological products. A typical polymer was manufactured by radical polymerization of acryloyldimethyltaurine acid salt 90, polyethylene glycol behenyl ether (d.p. 10) 10, and trimethylolpropane triacrylate 1.9 g.

IC ICM C08L051-00

ICS C08F291-00; C08F290-06; A61K007-48; C08F002-22; C08F265-04; C08F271-02

CC 62-1 (Essential Oils and Cosmetics)

Section cross-reference(s): 63

ST acryloyldimethyltaurine salt comb copolymer thickener cosmetic; adhesion improver cosmetic acryloyldimethyltaurine salt comb copolymer; solubilizer cosmetic acryloyldimethyltaurine salt copolymer; dermatological product acryloyldimethyltaurine salt copolymer; pharmaceutical acryloyldimethyltaurine salt copolymer; lubricant cosmetic acryloyldimethyltaurine salt copolymer; conditioning agent cosmetic acryloyldimethyltaurine salt copolymer; stabilizer cosmetic acryloyldimethyltaurine salt copolymer; trimethylolpropane triacrylate copolymer emulsifier cosmetic; polyoxyethylene behenyl ether copolymer dispersant cosmetic

IT Shampoos

(antidandruff; use of comb copolymers based on acryloyldimethyltaurate salts in cosmetic, pharmaceutical, and dermatological products)

IT Polymers, biological studies

RL: COS (Cosmetic use); MOA (Modifier or additive use); TEM

(Technical or engineered material use); BIOL (Biological study); USES

(Uses)

- (comb; use of comb copolymers based on acryloyldimethyltaurate salts in cosmetic, pharmaceutical, and dermatol. products)
- IT Cosmetics
(creams; use of comb copolymers based on acryloyldimethyltaurate salts in cosmetic, pharmaceutical, and dermatol. products)
- IT Polyoxyalkylenes, biological studies
RL: COS (Cosmetic use); MOA (Modifier or additive use); TEM
(Technical or engineered material use); BIOL (Biological study); USES
(Uses)
(ethers, with heptamethyltrisiloxane, reaction products, with acryloyldimethyltaurate salt polymers; use of comb copolymers based on acryloyldimethyltaurate salts in cosmetic, pharmaceutical, and dermatol. products)
- IT Hair preparations
(gels; use of comb copolymers based on acryloyldimethyltaurate salts in cosmetic, pharmaceutical, and dermatol. products)
- IT Quaternary ammonium compounds, biological studies
RL: COS (Cosmetic use); MOA (Modifier or additive use); TEM
(Technical or engineered material use); BIOL (Biological study); USES
(Uses)
(polymers; use of comb copolymers based on acryloyldimethyltaurate salts in cosmetic, pharmaceutical, and dermatol. products)
- IT Polysiloxanes, biological studies
RL: COS (Cosmetic use); MOA (Modifier or additive use); TEM
(Technical or engineered material use); BIOL (Biological study); USES
(Uses)
(polyoxyalkylene-, Y 12867, reaction products with acryloyldimethyltaurate salt polymers; use of comb copolymers based on acryloyldimethyltaurate salts in cosmetic, pharmaceutical, and dermatol. products)
- IT Polyoxyalkylenes, biological studies
RL: COS (Cosmetic use); MOA (Modifier or additive use); TEM
(Technical or engineered material use); BIOL (Biological study); USES
(Uses)
(polysiloxane-, Y 12867, reaction products with acryloyldimethyltaurate salt polymers; use of comb copolymers based on acryloyldimethyltaurate salts in cosmetic, pharmaceutical, and dermatol. products)
- IT Polyoxyalkylenes, biological studies
RL: COS (Cosmetic use); MOA (Modifier or additive use); TEM
(Technical or engineered material use); BIOL (Biological study); USES
(Uses)
(reaction products, with acryloyldimethyltaurate salt polymers; use of comb copolymers based on acryloyldimethyltaurate salts in cosmetic, pharmaceutical, and dermatol. products)
- IT Alcohols, biological studies
RL: COS (Cosmetic use); MOA (Modifier or additive use); TEM
(Technical or engineered material use); BIOL (Biological study); USES
(Uses)
(tallow, ethoxylated, Genapol T 080, reaction products with acryloyldimethyltaurate salt polymers; use of comb copolymers based on acryloyldimethyltaurate salts in cosmetic, pharmaceutical, and dermatol. products)
- IT Dispersing agents
Drugs
Emulsifying agents
Polyelectrolytes
Solubilizers
Thickening agents
(use of comb copolymers based on acryloyldimethyltaurate salts in cosmetic, pharmaceutical, and dermatol. products)

IT Fluoropolymers, biological studies

RL: COS (Cosmetic use); MOA (Modifier or additive use); TEM
(Technical or engineered material use); BIOL (Biological study); USES
(Uses)

(use of comb copolymers based on acryloyldimethyltaurate salts in
cosmetic, pharmaceutical, and dermatol. products)

IT 96-05-9D, Allyl methacrylate, polymers with acryloyldimethyltaurate salts
1873-88-7D, polyoxyalkylene derivs., reaction products, with
acryloyldimethyltaurate salt polymers 5039-78-1D, 2-
Methacryloyloxyethyltrimethylammonium chloride, polymers with
acryloyldimethyltaurate salts 9003-01-4D, Polyacrylic acid, reaction
products, with acryloyldimethyltaurate salt polymers 9003-05-8D,
Polyacrylamide, reaction products, with acryloyldimethyltaurate salt
polymers 9003-39-8D, Poly-N-vinylpyrrolidone, reaction products, with
acryloyldimethyltaurate salt polymers 15214-89-8D, AMPS, salts, polymers
15625-89-5D, TMPTA, polymers with acryloyldimethyltaurate salts
25087-26-7D, Polymethacrylic acid, reaction products, with
acryloyldimethyltaurate salt polymers 25189-83-7D, Poly-N-
vinylcaprolactam, reaction products, with acryloyldimethyltaurate salt
polymers 25322-68-3D, Polyethylene oxide, reaction products, with
acryloyldimethyltaurate salt polymers 25322-69-4D, Polypropylene oxide,
reaction products, with acryloyldimethyltaurate salt polymers
26062-79-3D, Polydiallyldimethylammonium chloride, reaction products, with
acryloyldimethyltaurate salt polymers 26161-33-1D, Poly-2-
methacryloyloxyethyltrimethylammonium chloride, reaction products, with
acryloyldimethyltaurate salt polymers 26616-03-5D, Poly-N-vinyl-N-
methylacetamide, reaction products, with acryloyldimethyltaurate salt
polymers 28408-65-3D, Poly-N-vinylacetamide, reaction products, with
acryloyldimethyltaurate salt polymers 31851-82-8D, Poly-N-
vinylmorpholine, reaction products, with acryloyldimethyltaurate salt
polymers 50885-97-7D, Polyhydroxymethyl methacrylate, reaction products,
with acryloyldimethyltaurate salt polymers 72018-12-3D,
Poly-N-vinylformamide, reaction products, with acryloyldimethyltaurate
salt polymers 434898-89-2 434938-31-5D, Silvet 7280, reaction
products with acryloyldimethyltaurate salt polymers
RL: COS (Cosmetic use); MOA (Modifier or additive use); TEM
(Technical or engineered material use); BIOL (Biological study); USES
(Uses)

(use of comb copolymers based on acryloyldimethyltaurate salts in
cosmetic, pharmaceutical, and dermatol. products)

IT 434898-89-2

RL: COS (Cosmetic use); MOA (Modifier or additive use); TEM
(Technical or engineered material use); BIOL (Biological study); USES
(Uses)

(use of comb copolymers based on acryloyldimethyltaurate salts in
cosmetic, pharmaceutical, and dermatol. products)

RN 434898-89-2 HCAPLUS

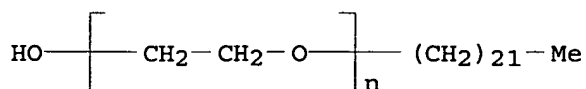
CN 1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propenyl)amino]-,
homopolymer, ester with α -docosyl- ω -hydroxypoly(oxy-1,2-
ethanediyl) (9CI) (CA INDEX NAME)

CM 1

CRN 26636-40-8

CMF (C2 H4 O)_n C22 H46 O

CCI PMS



CM 2

CRN 27119-07-9

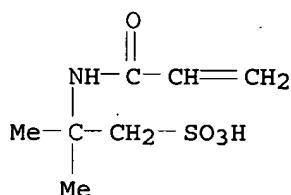
CMF (C7 H13 N O4 S)x

CCI PMS

CM 3

CRN 15214-89-8

CMF C7 H13 N O4 S



L27 ANSWER 20 OF 39 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2002:428955 HCAPLUS

DN 137:24142

TI Surfactant-free cosmetic, dermatological and pharmaceutical agents

IN Loeffler, Matthias; Morschhaeuser, Roman

PA Clariant Gmbh, Germany

SO PCT Int. Appl., 55 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 16

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002044231	A1	20020606	WO 2001-EP13860	20011128
	W: BR, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
	DE 10059821	A1	20020613	DE 2000-10059821	20001201
	JP 2002201111	A2	20020716	JP 2001-295992	20010927
	EP 1339766	A1	20030903	EP 2001-998570	20011128
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR				
	BR 2001015810	A	20030916	BR 2001-15810	20011128
	US 2004109836	A1	20040610	US 2003-433175	20031117
PRAI	DE 2000-10059821	A	20001201		
	WO 2001-EP13860	W	20011128		

AB The invention relates to surfactant-free cosmetic, dermatol. and pharmaceutical agents that contain at least one copolymer, obtainable by radical copolymerization of (A) acryloyldimethyltaurine acid and/or acryloyldimethyltaurates, (B) optionally one or more other olefinically unsaturated, non-cationic comonomers, (C) optionally one or more olefinically

unsatd., cationic comonomers, (D) optionally one or more silicon-containing component(s), (E) optionally one or more fluorine-containing component(s), and (F) optionally one or more macromonomers, with the copolymn. optionally proceeding in the presence of (G) at least one polymer additive, with the proviso that component (A) is copolymd. with at least one component selected from groups (D) to (G). A typical skin lotion with keratolytic action contained 1.0% polymer prepared by polymerization of 80 g AMPS and 0.6 g allyl methacrylate in the presence of 20 g Genapol LA040 (polyethylene glycol C12-14 alkyl ether), 4% mineral oil, 4% almond oil, 8% Cetiol SN, 0.3% Aristoflex AVC, 0.3% citric acid, 0.4% malic acid, 0.7% glycolic acid, 0.7% lactic acid, and 0.3% perfume, with the remainder being water.

IC ICM C08F291-00

ICS A61K007-48; A61K007-06; C08F290-06; C08L051-00; C08F002-00

CC 62-4 (Essential Oils and Cosmetics)

Section cross-reference(s): 63

ST surfactant free cosmetic acryloyldimethyltaurate based polymer contg; allyl methacrylate copolymer polyoxyethylene alkyl ether modified skin lotion; skin lotion AMPS copolymer polyoxyethylene alkyl ether modified

IT Alcohols, biological studies

RL: COS (Cosmetic use); IMF (Industrial manufacture); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(C12-14, ethoxylated, Genapol LA 040, esters, with acryloyldimethyltaurine acid-based polymers; surfactant-free cosmetic, dermatol. and pharmaceutical agents containing acryloyldimethyltaurate-based polymers)

IT Cosmetics

(conditioners; surfactant-free cosmetic, dermatol. and pharmaceutical agents containing acryloyldimethyltaurate-based polymers)

IT Polyoxyalkylenes, biological studies

RL: COS (Cosmetic use); IMF (Industrial manufacture); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(ethers, alkyl, reaction products, with acryloyldimethyltaurate-based polymers; surfactant-free cosmetic, dermatol. and pharmaceutical agents containing acryloyldimethyltaurate-based polymers)

IT Polyoxyalkylenes, biological studies

RL: COS (Cosmetic use); IMF (Industrial manufacture); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(fatty alkyl ethers, esters, with acryloyldimethyltaurine acid-based polymers; surfactant-free cosmetic, dermatol. and pharmaceutical agents containing acryloyldimethyltaurate-based polymers)

IT Cosmetics

(moisturizers; surfactant-free cosmetic, dermatol. and pharmaceutical agents containing acryloyldimethyltaurate-based polymers)

IT Polysiloxanes, biological studies

RL: COS (Cosmetic use); IMF (Industrial manufacture); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(polyoxyalkylene-, Y-12867, esters, with acryloyldimethyltaurine acid-based polymers; surfactant-free cosmetic, dermatol. and pharmaceutical agents containing acryloyldimethyltaurate-based polymers)

IT Polyoxyalkylenes, biological studies

RL: COS (Cosmetic use); IMF (Industrial manufacture); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(polysiloxane-, Y-12867, esters, with acryloyldimethyltaurine acid-based polymers; surfactant-free cosmetic, dermatol. and

- pharmaceutical agents containing acryloyldimethyltaurate-based polymers)
- IT Polyoxyalkylenes, biological studies
RL: COS (Cosmetic use); IMF (Industrial manufacture); TEM
(Technical or engineered material use); BIOL (Biological study); PREP
(Preparation); USES (Uses)
(reaction products with acryloyldimethyltaurine acid-based polymers;
surfactant-free cosmetic, dermatol. and pharmaceutical agents containing
acryloyldimethyltaurate-based polymers)
- IT Polyoxyalkylenes, biological studies
RL: COS (Cosmetic use); IMF (Industrial manufacture); TEM
(Technical or engineered material use); BIOL (Biological study); PREP
(Preparation); USES (Uses)
(reaction products, with acryloyldimethyltaurate-based polymers;
surfactant-free cosmetic, dermatol. and pharmaceutical agents containing
acryloyldimethyltaurate-based polymers)
- IT Drugs
(surfactant-free cosmetic, dermatol. and pharmaceutical agents containing
acryloyldimethyltaurate-based polymers)
- IT Fluoropolymers, biological studies
RL: COS (Cosmetic use); IMF (Industrial manufacture); TEM
(Technical or engineered material use); BIOL (Biological study); PREP
(Preparation); USES (Uses)
(surfactant-free cosmetic, dermatol. and pharmaceutical agents containing
acryloyldimethyltaurate-based polymers)
- IT Alcohols, biological studies
RL: COS (Cosmetic use); IMF (Industrial manufacture); TEM
(Technical or engineered material use); BIOL (Biological study); PREP
(Preparation); USES (Uses)
(tallow, ethoxylated, Genapol T-250, esters, with
acryloyldimethyltaurine acid-based polymers; surfactant-free cosmetic,
dermatol. and pharmaceutical agents containing acryloyldimethyltaurate-
based polymers)
- IT 1873-88-7DP, polyoxyalkylene derivs., esters, with acryloyldimethyltaurine
acid-based polymers 9003-01-4DP, Polyacrylic acid, reaction products
with acryloyldimethyltaurine acid-based polymers 9003-05-8DP,
Polyacrylamide, reaction products with acryloyldimethyltaurine acid-based
polymers 9003-39-8DP, Poly-N-vinylpyrrolidone, reaction products with
acryloyldimethyltaurine acid-based polymers 25087-26-7DP,
Polymethacrylic acid, reaction products with acryloyldimethyltaurine
acid-based polymers 25189-83-7DP, Poly-N-vinylcaprolactam, reaction
products with acryloyldimethyltaurine acid-based polymers 25322-68-3DP,
Polyethylene glycol, fatty alkyl ethers, esters, with
acryloyldimethyltaurine acid-based polymers 25322-69-4DP, Polypropylene
glycol, reaction products with acryloyldimethyltaurine acid-based polymers
26062-79-3DP, Polydiallyldimethylammonium chloride, reaction products with
acryloyldimethyltaurine acid-based polymers 26161-33-1DP,
Poly-2-methacryloyloxyethyltrimethylammonium chloride, reaction products
with acryloyldimethyltaurine acid-based polymers 26616-03-5DP,
Poly-N-vinyl-N-methylacetamide, reaction products with
acryloyldimethyltaurine acid-based polymers 28408-65-3DP,
Poly-N-vinylacetamide, reaction products with acryloyldimethyltaurine
acid-based polymers 31851-82-8DP, Poly-N-vinylmorpholine, reaction
products with acryloyldimethyltaurine acid-based polymers 50885-97-7DP,
Polyhydroxymethyl methacrylate, reaction products with
acryloyldimethyltaurine acid-based polymers 72018-12-3DP,
Poly-N-vinylformamide, reaction products with acryloyldimethyltaurine
acid-based polymers 201338-09-2DP, 2-Acrylamido-2-methyl-1-
propanesulfonic acid-TMPTA copolymer, esters with polyethylene glycol
monoalkyl ethers 433922-71-5DP, 2-Acrylamido-2-methyl-1-propanesulfonic
acid-allyl methacrylate copolymer, esters with polyethylene glycol

monoalkyl ethers or polyoxyalkylene-polysiloxanes 434938-49-5P

RL: COS (Cosmetic use); IMF (Industrial manufacture); TEM

(Technical or engineered material use); BIOL (Biological study); PREP

(Preparation); USES (Uses)

(surfactant-free cosmetic, dermatol. and pharmaceutical agents containing acryloyldimethyltaurate-based polymers)

IT 201338-09-2DP, 2-Acrylamido-2-methyl-1-propanesulfonic acid-TMPTA

copolymers, esters with polyethylene glycol monoalkyl ethers

RL: COS (Cosmetic use); IMF (Industrial manufacture); TEM

(Technical or engineered material use); BIOL (Biological study); PREP

(Preparation); USES (Uses)

(surfactant-free cosmetic, dermatol. and pharmaceutical agents containing acryloyldimethyltaurate-based polymers)

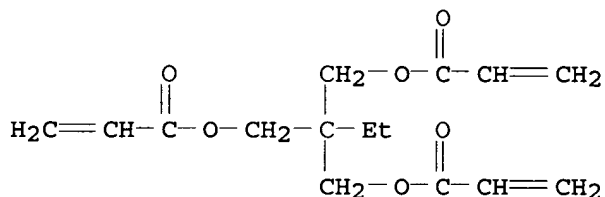
RN 201338-09-2 HCAPLUS

CN 2-Propenoic acid, 2-ethyl-2-[[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediyl ester, polymer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid (9CI) (CA INDEX NAME)

CM 1

CRN 15625-89-5

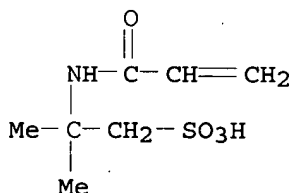
CMF C15 H20 O6



CM 2

CRN 15214-89-8

CMF C7 H13 N O4 S



RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 21 OF 39 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2002:428675 HCAPLUS

DN 137:24113

TI Cosmetic, pharmaceutical and dermatological products

IN Loeffler, Matthias; Morschhaeuser, Roman

PA Clariant GmbH, Germany

SO PCT Int. Appl., 48 pp.

CODEN: PIXXD2

DT Patent
LA German
FAN.CNT 16

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002043689	A2	20020606	WO 2001-EP13867	20011128
	WO 2002043689	A3	20021024		
	W: BR, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
	DE 10059826	A1	20020613	DE 2000-10059826	20001201
	JP 2002265321	A2	20020918	JP 2001-295996	20010927
	EP 1339383	A2	20030903	EP 2001-998320	20011128
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR				
	BR 2001015843	A	20031007	BR 2001-15843	20011128
	US 2004109835	A1	20040610	US 2003-433116	20031124
PRAI	DE 2000-10059826	A	20001201		
	WO 2001-EP13867	W	20011128		

AB The invention relates to cosmetic, pharmaceutical and dermatol. products, containing at least one copolymer which is obtained by radical copolymn. of (A) acryloyldimethyltaurine acid and/or acryloyldimethyltaurates, (B) optionally, one or more addnl. olefinically unsatd., non-cationic comonomers, (C) optionally, one or more olefinically unsatd., cationic comonomers, (D) optionally, one or more components containing silicon, (E) optionally, one or more components containing fluorine and (F) optionally, one or more macromonomers, (G) the copolymn. taking place in the presence of at least one polymeric additive, (H) provided that component (A) is copolymd. with at least one component selected from one of the groups (D) to (G). The preps. are used especially in hair preps. but may be used in other cosmetics and topical pharmaceuticals as well.

IC ICM A61K007-48

ICS C08F291-00; C08F290-06; C08L051-00; C08F265-04; A61K007-06

CC 62-3 (Essential Oils and Cosmetics)

ST acryloyldimethyltaurine copolymer cosmetic dermatol shampoo

IT Shampoos

(antidandruff; cosmetic, pharmaceutical and dermatol. products)

IT Shampoos

(baby; cosmetic, pharmaceutical and dermatol. products)

IT Fatty acids, biological studies

RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)

(coco, 2-sulfoethyl esters, sodium salts, Hostapon SCI 65; cosmetic, pharmaceutical and dermatol. products)

IT Hair preparations

(conditioners; cosmetic, pharmaceutical and dermatol. products)

IT Hair preparations

(cosmetic, pharmaceutical and dermatol. products)

IT Polyoxyalkylenes, biological studies

Polysiloxanes, biological studies

RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)

(cosmetic, pharmaceutical and dermatol. products)

IT Cosmetics

(creams; cosmetic, pharmaceutical and dermatol. products)

IT Polysiloxanes, biological studies

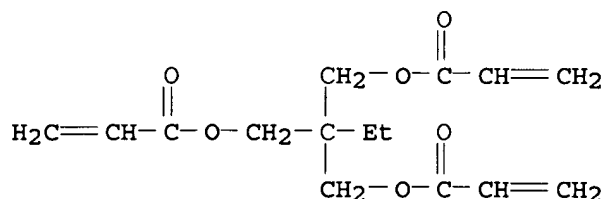
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)

- study); PROC (Process); USES (Uses)
(polyoxyalkylene-, Y 12867; cosmetic, pharmaceutical and dermatol. products)
- IT Polyoxyalkylenes, biological studies
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
(polysiloxane-, Y 12867; cosmetic, pharmaceutical and dermatol. products)
- IT Polymerization
(precipitation; cosmetic, pharmaceutical and dermatol. products)
- IT 9004-82-4, Genapol ZRO
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
(Genapol ZRO; cosmetic, pharmaceutical and dermatol. products)
- IT 75-21-8D, Ethylene oxide, polymers 75-56-9D, Propylene oxide, polymers 79-06-1D, Acrylamide, polymers 79-41-4D, Methacrylic acid, polymers 88-12-0D, polymers 2148-30-3D, polymers 2235-00-9D, N-Vinylcaprolactam, polymers 2867-47-2D, polymers 3195-78-6D, polymers 5039-78-1D, polymers 5202-78-8D, N-Vinylacetamide, polymers 5205-93-6D, polymers 7398-69-8D, polymers 13162-05-5D, N-Vinylformamide, polymers 15214-89-8 21982-30-9D, Hydroxymethylmethacrylate, polymers 44992-01-0D, polymers 45708-78-9D, polymers 48103-10-2D, polymers 51410-72-1D, Maptac, polymers 60100-84-7 60100-84-7D, derivs., polymers 62723-61-9D, polymers 68890-66-4, Octopirox 69174-85-2D, polymers 74443-97-3D, polymers 201338-09-2
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
(cosmetic, pharmaceutical and dermatol. products)
- IT 75-65-0, tert-Butanol, uses
RL: NUU (Other use, unclassified); USES (Uses)
(cosmetic, pharmaceutical and dermatol. products)
- IT 201338-09-2
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
(cosmetic, pharmaceutical and dermatol. products)
- RN 201338-09-2 HCAPLUS
- CN 2-Propenoic acid, 2-ethyl-2-[[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediyl ester, polymer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid (9CI) (CA INDEX NAME)

CM 1

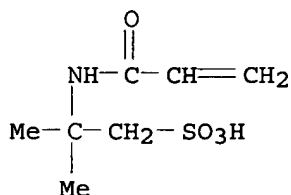
CRN 15625-89-5

CMF C15 H20 O6



CM 2

CRN 15214-89-8
 CMF C7 H13 N O4 S



L27 ANSWER 22 OF 39 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2002:428674 HCAPLUS

DN 137:24140

TI Decorative cosmetic and dermatological products

IN Loeffler, Matthias; Morschhaeuser, Roman

PA Clariant Gmbh, Germany

SO PCT Int. Appl., 39 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 16

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002043688	A2	20020606	WO 2001-EP13866	20011128
	WO 2002043688	A3	20021114		
	W: BR, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
	DE 10059818	A1	20020613	DE 2000-10059818	20001201
	JP 2002201110	A2	20020716	JP 2001-295991	20010927
	EP 1339382	A2	20030903	EP 2001-994742	20011128
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR				
	BR 2001015836	A	20030916	BR 2001-15836	20011128
	US 2004091444	A1	20040513	US 2003-433112	20031117
PRAI	DE 2000-10059818	A	20001201		
	WO 2001-EP13866	W	20011128		

AB The invention relates to decorative cosmetic and dermatol. products, containing at least one copolymer which is obtained by radical copolymn. of (A) acryloyldimethyltaurine acid and/or acryloyldimethyltaurates, (B) optionally, one or more addnl. olefinically unsatd., non-cationic comonomers, (C) optionally, one or more olefinically unsatd., cationic comonomers, (D) optionally, one or more components containing silicon, (E) optionally, one or more components containing fluorine and (F) optionally, one or more macromonomers, (G) the copolymn. taking place in the presence of at least one polymeric additive, (H) provided that component (A) is copolymd. with at least one component selected from one of the groups (D) to (G). The products can be used in sunscreens, makeups, other cosmetics, and topical pharmaceuticals.

IC ICM A61K007-48

ICS C08L051-00; C08F291-00; C08F290-06; C08F265-04; C08F271-02

CC 62-4 (Essential Oils and Cosmetics)

Section cross-reference(s): 63

ST cosmetic acryloyldimethyltaurine dermatol formulation sunscreen eyelash
makeup

IT Polymerization
(co-, radical; decorative cosmetic and dermatol. products containing
acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT Cosmetics
(creams; decorative cosmetic and dermatol. products containing
acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT Cosmetics
Pigments, nonbiological
Skin
Sunscreens
(decorative cosmetic and dermatol. products containing
acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT Fluoropolymers, biological studies
Kaolin, biological studies
Mica-group minerals, biological studies
Oxides (inorganic), biological studies
Polyamides, biological studies
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical
process); PYP (Physical process); BIOL (Biological study); PROC (Process);
USES (Uses)
(decorative cosmetic and dermatol. products containing
acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT Polyoxyalkylenes, biological studies
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical
process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological
study); PROC (Process); USES (Uses)
(decorative cosmetic and dermatol. products containing
acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT Hair preparations
(dyes; decorative cosmetic and dermatol. products containing
acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT Cosmetics
(eye liners; decorative cosmetic and dermatol. products containing
acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT Cosmetics
(eye shadows; decorative cosmetic and dermatol. products containing
acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT Cosmetics
(foundations; decorative cosmetic and dermatol. products containing
acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT Cosmetics
(gels; decorative cosmetic and dermatol. products containing
acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT Cosmetics
(lipsticks; decorative cosmetic and dermatol. products containing
acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT Cosmetics
(makeups; decorative cosmetic and dermatol. products containing
acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT Cosmetics
(mascaras; decorative cosmetic and dermatol. products containing
acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT Cosmetics
(nail lacquers; decorative cosmetic and dermatol. products containing
acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT Polysiloxanes, biological studies
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical
process); PNU (Preparation, unclassified); PYP (Physical process); THU

(Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)
 (polyoxyalkylene-, Y 12867; decorative cosmetic and dermatol. products containing acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT Polyoxyalkylenes, biological studies
 RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PNU (Preparation, unclassified); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)
 (polysiloxane-, Y 12867; decorative cosmetic and dermatol. products containing acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT Cosmetics
 (powders; decorative cosmetic and dermatol. products containing acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT Polymerization
 (precipitation; decorative cosmetic and dermatol. products containing acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT Drug delivery systems
 (topical; decorative cosmetic and dermatol. products containing acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT 106899-89-2P 144306-59-2P 433922-11-3P
 RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PNU (Preparation, unclassified); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)
 (decorative cosmetic and dermatol. products containing acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT 1314-13-2, Zinc oxide, biological studies 1332-37-2, Iron oxide, biological studies 7631-86-9, Silicon dioxide, biological studies 9002-84-0, Polytetrafluoroethylene 9002-88-4, Polyethylene 11118-57-3, Chromium oxide 13463-67-7, Titanium oxide, biological studies 14807-96-6, Talc, biological studies 57455-37-5, Ultramarine blue
 RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); BIOL (Biological study); PROC (Process); USES (Uses)
 (decorative cosmetic and dermatol. products containing acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT 75-21-8D, Ethyleneoxide, polymers 75-56-9D, Propylene oxide, polymers 79-06-1D, Acrylamide, polymers 79-10-7D, Acrylic acid, polymers 79-41-4D, Methacrylic acid, polymers 88-12-0D, polymers 2148-30-3D, polymers 2235-00-9D, N-Vinylcaprolactam, polymers 2867-47-2 3195-78-6D, polymers 5039-78-1 5202-78-8D, N-Vinylacetamide, polymers 5205-93-6 7398-69-8 7398-69-8D, Diallyldimethylammonium chloride, polymers 13162-05-5D, N-Vinylformamide, polymers 21982-30-9D, Hydroxymethylmethacrylate, polymers 44992-01-0 45708-78-9 48103-10-2 51410-72-1D, Maptac, polymers 60100-84-7 60100-84-7D, derivs. 62723-61-9 69174-85-2 74443-97-3
 RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
 (decorative cosmetic and dermatol. products containing acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT 75-65-0, tert-Butanol, uses
 RL: NUU (Other use, unclassified); USES (Uses)
 (decorative cosmetic and dermatol. products containing acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT 1309-37-1, Rouge, biological studies
 RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); BIOL (Biological study); PROC (Process); USES (Uses)

(rouge; decorative cosmetic and dermatol. products containing acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

IT 433922-11-3P

RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PNU (Preparation, unclassified); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)

(decorative cosmetic and dermatol. products containing acryloyldimethyltaurine acid and/or acryloyldimethyltaurates)

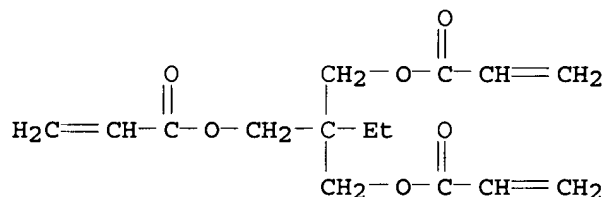
RN 433922-11-3 HCAPLUS

CN Ethanaminium, N,N,N-trimethyl-2-[(2-methyl-1-oxo-2-propenyl)oxy]-, chloride, polymer with 2-ethyl-2-[[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediyl di-2-propenoate and 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid (9CI) (CA INDEX NAME)

CM 1

CRN 15625-89-5

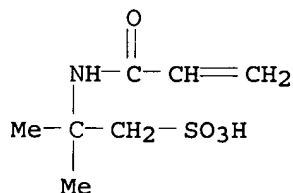
CMF C15 H20 O6



CM 2

CRN 15214-89-8

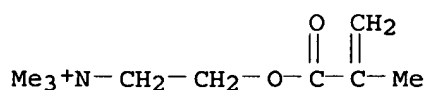
CMF C7 H13 N O4 S



CM 3

CRN 5039-78-1

CMF C9 H18 N O2 . Cl

● Cl⁻

L27 ANSWER 23 OF 39 HCAPLUS COPYRIGHT 2005 ACS on STN
 AN 2002:428663 HCAPLUS
 DN 137:24137
 TI Cosmetic and hair formulations containing polymers
 IN Loeffler, Matthias; Morschhaeuser, Roman; Glauder, Jan
 PA Clariant Gmbh, Germany
 SO PCT Int. Appl., 41 pp.
 CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 16

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002043677	A2	20020606	WO 2001-EP13862	20011128
	WO 2002043677	A3	20020822		
	W: BR, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
	DE 10059827	A1	20020620	DE 2000-10059827	20001201
	JP 2002265336	A2	20020918	JP 2001-295995	20010927
	EP 1345575	A2	20030924	EP 2001-989524	20011128
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR				
	BR 2001015845	A	20031007	BR 2001-15845	20011128
	US 2004115157	A1	20040617	US 2003-433117	20031117
PRAI	DE 2000-10059827	A	20001201		
	WO 2001-EP13862	W	20011128		

AB The invention relates to cosmetic and dermatol. hair-treatment agents that contain at least one copolymer, obtainable by radical copolymerization of acryloyldimethyl taurine acid and/or acryloyldimethyl taurates, optionally one or more other unsatd., no-cationic comonomers, optionally 1 or more unsatd., cationic comonomers, 1 or more silicone-containing component(s), and 1 or more fluorine-containing component(s). Thus, a formulation contained Genaminox CSL 6.0, Cetiol HE 2.0, acrylamidopropyl-2-methyl-2-sulfonic acid-trimethylolpropane triacrylate copolymer 1.2, and water to 100%.

IC ICM A61K007-06

CC 62-4 (Essential Oils and Cosmetics)

ST hair formulation polymer

IT Glycols, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (alkyl; cosmetic and hair formulations containing polymers)

IT Polyelectrolytes

(cationic; cosmetic and hair formulations containing polymers)

IT Antioxidants

Cosmetics

Dispersing agents

Dyes

Egg white
Emulsifying agents
Hair preparations
Pearly materials
Perfumes
Photoprotectants
Preservatives
Stabilizing agents
Sunscreens
Thickening agents
(cosmetic and hair formulations containing polymers)

IT Enzymes, biological studies
Lanolin
Lecithins
Peptides, biological studies
Polymers, biological studies
Polyoxyalkylenes, biological studies
Polysiloxanes, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cosmetic and hair formulations containing polymers)

IT Hair preparations
(creams; cosmetic and hair formulations containing polymers)

IT Polysiloxanes, biological studies
RL: COS (Cosmetic use); MOA (Modifier or additive use); BIOL
(Biological study); USES (Uses)
(di-Me, 3-hydroxypropyl Me, ethers with polyethylene-polypropylene glycol acetate; cosmetic and hair formulations containing polymers)

IT Alcohols, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(fatty; cosmetic and hair formulations containing polymers)

IT Hair preparations
(gels; cosmetic and hair formulations containing polymers)

IT Hair preparations
(lotions; cosmetic and hair formulations containing polymers)

IT Cosmetics
(moisturizers; cosmetic and hair formulations containing polymers)

IT Hair preparations
(mousses; cosmetic and hair formulations containing polymers)

IT Hair preparations
(sprays; cosmetic and hair formulations containing polymers)

IT 56-81-5, Glycerin, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cosmetic and hair formulations containing polymers)

IT 75-21-8D, Ethylene oxide, polymers 75-56-9D, Propylene oxide, polymers
79-06-1D, Acrylamide, polymers 79-10-7D, Acrylic acid, polymers
79-41-4D, MethAcrylic acid, polymers 88-12-0D, N-Vinyl-2-pyrrolidone,
polymers 868-77-9D, polymers 2148-30-3D, polymers 2235-00-9D,
N-Vinylcaprolactam, polymers 3195-78-6D, polymers 5202-78-8D,
N-Vinylacetamide, polymers 9003-11-6 13162-05-5D, N-Vinylformamide,
polymers 51410-72-1D, MAPTAC, polymers 60100-84-7D, polymers
RL: COS (Cosmetic use); MOA (Modifier or additive use); BIOL
(Biological study); USES (Uses)
(cosmetic and hair formulations containing polymers)

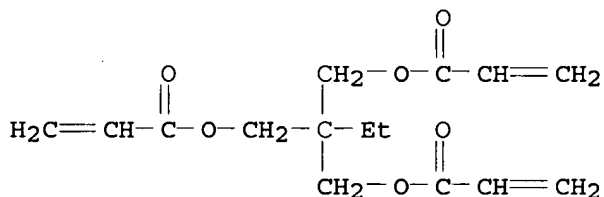
IT 7398-69-8DP, Diallyldimethylammonium chloride, polymers
RL: COS (Cosmetic use); MOA (Modifier or additive use); SPN
(Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES
(Uses)
(cosmetic and hair formulations containing polymers)

IT 2867-47-2DP, Dimethylaminoethylmethacrylate, polymers 5039-78-1DP,
 polymers 44992-01-0DP, polymers 45708-78-9DP, polymers 48103-10-2DP,
 polymers 69174-85-2DP, polymers 74443-97-3DP, polymers 76847-89-7DP,
 Dimethylaminopropylmethacrylate, polymers 144306-59-2P
 201338-09-2P 409334-38-9DP, polymers 433922-59-9P
 433922-71-5P 433922-72-6P
 RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL
 (Biological study); PREP (Preparation); USES (Uses)
 (cosmetic and hair formulations containing polymers)
 IT 201338-09-2P 433922-59-9P
 RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL
 (Biological study); PREP (Preparation); USES (Uses)
 (cosmetic and hair formulations containing polymers)
 RN 201338-09-2 HCAPLUS
 CN 2-Propenoic acid, 2-ethyl-2-[[[(1-oxo-2-propenyl)oxy]methyl]-1,3-
 propanediyl ester, polymer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-
 propanesulfonic acid (9CI) (CA INDEX NAME)

CM 1

CRN 15625-89-5

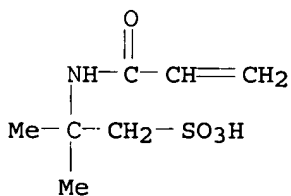
CMF C15 H20 O6



CM 2

CRN 15214-89-8

CMF C7 H13 N O4 S



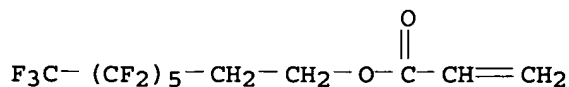
RN 433922-59-9 HCAPLUS

CN 2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl ester,
 polymer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid
 (9CI) (CA INDEX NAME)

CM 1

CRN 17527-29-6

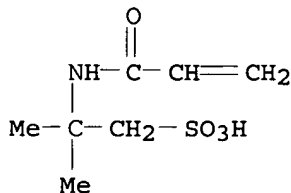
CMF C11 H7 F13 O2



CM 2

CRN 15214-89-8

CMF C7 H13 N O4 S



L27 ANSWER 24 OF 39 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2001:780634 HCAPLUS

DN 135:335000

TI Oxidation dyeing composition for keratinous fibers comprising a
3,5-diamino-pyridine derivative and a particular thickening polymer

IN Audousset, Marie-pascale

PA L'oreal, Fr.

SO PCT Int. Appl., 40 pp.

CODEN: PIXXD2

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001078668	A1	20011025	WO 2001-FR846	20010321
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	FR 2807649	A1	20011019	FR 2000-4721	20000412
	FR 2807649	B1	20050506		
	EP 1274389	A1	20030115	EP 2001-917202	20010321
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	JP 2003530417	T2	20031014	JP 2001-575970	20010321
	US 2004060125	A1	20040401	US 2003-398423	20030407
PRAI	FR 2000-4721	A	20000412		
	WO 2001-FR846	W	20010321		

OS MARPAT 135:335000

AB The invention concerns an oxidation dyeing composition for keratinous fibers, in particular human keratinous fibers such as hair, comprising, in a medium suitable for dyeing, at least a coupling agent selected among 3,5-diamino-pyridine derivs. and their addition salts with an acid, at least

an oxidation base, and a particular thickening polymer. The invention also concerns dyeing methods and devices using said composition. An oxidative hair dye contained 2,6-dimethoxy-3,5-diamino-pyridine hydrochloride 0.363, p-phenylenediamine 0.324, 2,4-diamino-1-(β -hydroxy-ethoxy)benzene 0.361, Aculyn-44 4, excipients and water q.s. 100 g. Equal amount of the composition is mixed with 20 volume hydrogen peroxide, the pH is adjusted to 3, then applied on the hair for 30 min. The hair is then rinsed, washed with shampoo, and dried to obtain a natural brown color.

IC ICM A61K007-13

CC 62-3 (Essential Oils and Cosmetics)

ST oxidn hair dye aminopyridine deriv thickening polymer

IT Surfactants

(amphoteric; oxidation dyeing composition for keratinous fibers comprising diamino-pyridine derivative and particular thickening polymer)

IT Polyelectrolytes

Surfactants

(anionic; oxidation dyeing composition for keratinous fibers comprising diamino-pyridine derivative and particular thickening polymer)

IT Polyelectrolytes

Surfactants

(cationic; oxidation dyeing composition for keratinous fibers comprising diamino-pyridine derivative and particular thickening polymer)

IT Hair preparations

(dyes, oxidative; oxidation dyeing composition for keratinous fibers comprising diamino-pyridine derivative and particular thickening polymer)

IT Phenols, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(naphthols; oxidation dyeing composition for keratinous fibers comprising diamino-pyridine derivative and particular thickening polymer)

IT Salts, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(of peroxy acids; oxidation dyeing composition for keratinous fibers comprising diamino-pyridine derivative and particular thickening polymer)

IT Coupling agents

Thickening agents

(oxidation dyeing composition for keratinous fibers comprising diamino-pyridine derivative and particular thickening polymer)

IT Bromates

Enzymes, biological studies

Polymers, biological studies

Polysaccharides, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(oxidation dyeing composition for keratinous fibers comprising diamino-pyridine derivative and particular thickening polymer)

IT 79-10-7, Acrylic acid, biological studies 79-10-7D, Acrylic acid,

polymers with alkyl acrylates 95-55-6, o-Aminophenol 106-50-3,

p-Phenylenediamine, biological studies 123-30-8, p-Aminophenol

124-43-6 591-27-5 7722-84-1, Hydrogen peroxide, biological

studies 9000-01-5, Gum arabic 9000-07-1, Carrageenan 9000-28-6,

Ghatti gum 9000-30-0, Guar gum 9000-36-6, Karaya gum 9000-40-2,

Carob gum 9000-65-1, Tragacanth gum 9000-69-5, Pectins 9002-18-0,

Agar 9003-01-4, PolyAcrylic acid 9003-99-0, Peroxidase

9004-64-2, Hydroxypropyl cellulose 9005-32-7, Alginic acid 9055-15-6,

Oxidoreductase 11138-66-2, Xanthan 26100-47-0, Acrylamide-Ammonium

acrylate copolymer 28214-57-5, Ammonium acrylate homopolymer

39421-75-5, Jaguar hp105 39464-87-4, Scleroglucan 40623-73-2

54381-16-7 56216-28-5 66422-95-5 85679-78-3 117907-42-3

138757-67-2, Carbopol 980- 160950-38-9 193487-42-2, Aculyn-44
367269-14-5

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)

(oxidation dyeing composition for **keratinous** fibers comprising
diamino-pyridine derivative and particular thickening polymer)

IT 40623-73-2

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)

(oxidation dyeing composition for **keratinous** fibers comprising
diamino-pyridine derivative and particular thickening polymer)

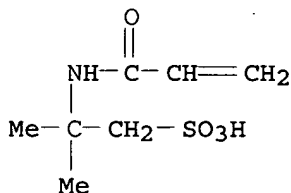
RN 40623-73-2 HCAPLUS

CN 1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propenyl)amino]-, polymer
with 2-propenamide (9CI) (CA INDEX NAME)

CM 1

CRN 15214-89-8

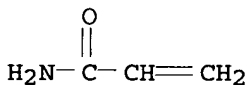
CMF C7 H13 N O4 S



CM 2

CRN 79-06-1

CMF C3 H5 N O



RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 25 OF 39 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2000:761921 HCAPLUS

DN 133:325488

TI Cosmetic sheet pack containing dextrin and polymers

IN Sato, Yukako; Ishiwatari, Masaaki; Maekawa, Masanori

PA Shiseido Co., Ltd., Japan; JO Cosmetics Co., Ltd.

SO Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

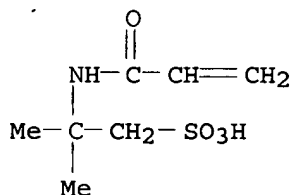
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000302639	A2	20001031	JP 1999-111695	19990420
PRAI	JP 1999-111695		19990420		

- AB The pack having a skin-contact layer, e.g. manufactured by coating a polyester film with a pack compns. and laminating with a **hydrophobic** or hydrophilic nonwoven fabric, effectively removes keratotic plugs and is peeled without pain. The pack may addnl. contain powder. Mol. weight of the polymers is preferably 40,000-500,000 for effective keratotic plug removal. A PET film was coated with composition containing H2O, glycerin, dextrin, xanthan gum, kaolin, black Fe oxide, SiO2, EtOH, poly(vinylpyrrolidone), macadamia nut oil, and methylparaben, and laminated with a polyester nonwoven fabric sheet to give a sheet pack.
- IC ICM. A61K007-00
ICS A61K007-00; A61K007-48
- CC 62-4 (Essential Oils and **Cosmetics**)
- ST cosmetic sheet pack dextrin polymer; polyvinylpyrrolidone dextrin cosmetic sheet pack; keratotic plug removal sheet pack dextrin polymer
- IT Nonwoven fabrics
(cosmetic sheet pack containing dextrin, polymers, and optionally powder laminated with skin-contact nonwoven fabric layer for keratotic plug removal)
- IT Kaolin, biological studies
Polymers, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(cosmetic sheet pack containing dextrin, polymers, and optionally powder laminated with skin-contact nonwoven fabric layer for keratotic plug removal)
- IT Polyesters, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(films, substrate; cosmetic sheet pack containing dextrin, polymers, and optionally powder laminated with skin-contact nonwoven fabric layer for keratotic plug removal)
- IT Polyester fibers, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(nonwoven fabrics; cosmetic sheet pack containing dextrin, polymers, and optionally powder laminated with skin-contact nonwoven fabric layer for keratotic plug removal)
- IT Cosmetics
(packs; cosmetic sheet pack containing dextrin, polymers, and optionally powder laminated with skin-contact nonwoven fabric layer for keratotic plug removal)
- IT 7631-86-9, Silica, biological studies 9003-39-8, Poly(vinylpyrrolidone) 9004-53-9, Dextrin 12227-89-3, Black iron oxide 13463-67-7, Titania, biological studies 26161-33-1, Poly(methacryloyloxyethyltrimethylammonium chloride) 27119-07-9, Poly(2-acrylamido-2-methylpropanesulfonic acid)
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(cosmetic sheet pack containing dextrin, polymers, and optionally powder laminated with skin-contact nonwoven fabric layer for **keratotic** plug removal)
- IT 27119-07-9, Poly(2-acrylamido-2-methylpropanesulfonic acid)
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(cosmetic sheet pack containing dextrin, polymers, and optionally powder laminated with skin-contact nonwoven fabric layer for **keratotic** plug removal)
- RN 27119-07-9 HCAPLUS
- CN 1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propenyl)amino]-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 15214-89-8

CMF C7 H13 N O4 S



L27 ANSWER 26 OF 39 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1999:736299 HCAPLUS

DN 131:337836

TI Crosslinked, water-dispersible polyurethanes

IN Nguyen, Kim Son; Sanner, Axel; Hossel, Peter; Schehlmann, Volker

PA BASF Aktiengesellschaft, Germany

SO Eur. Pat. Appl., 25 pp.

CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 957119	A1	19991117	EP 1999-108455	19990512
	EP 957119	B1	20050720		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	DE 19821732	A1	19991118	DE 1998-19821732	19980514
	US 6262176	B1	20010717	US 1999-303426	19990503
	AT 299901	E	20050815	AT 1999-108455	19990512
	JP 2000026565	A2	20000125	JP 1999-133228	19990513
	CN 1236783	A	19991201	CN 1999-107688	19990514
	US 2002032276	A1	20020314	US 2001-840799	20010425
	US 6489397	B2	20021203		
PRAI	DE 1998-19821732	A	19980514		
	US 1999-303426	A3	19990503		

AB The title polyurethanes, with good redispersibility, forming smooth, flexible films, and useful in hair treatment preps., are prepared from H₂O-dispersible urethane prepolymers bearing terminal NCO groups (prepared from compds. with mol. weight 56-300 containing 2 active H atoms/mol., polymers bearing 2 active H atoms/mol., compds. bearing ionic groups and 2 active H atoms/mol., and diisocyanates), and polymers bearing NCO-reactive groups (OH, primary or secondary amino, or CO₂H groups or their salts). Reaction of 80 parts urethane prepolymer (prepared from polyester diol, mol. weight 1000, from isophthalic and adipic acids and hexanediol 0.8, cyclohexanedimethanol 1.7, dimethylolpropionic acid 3, and IPDI 6 mol) with 20 parts 3:97 hydroxyethyl methacrylate-N-vinylpyrrolidone copolymer gave a product with K-value 33. Use of the products in hair spray formulations is exemplified.

IC ICM C08G018-08

ICS C08G018-12; A61K007-06

CC 37-3 (Plastics Manufacture and Processing)

Section cross-reference(s): 42, 62, 63

- ST hair care polyurethane water dispersible; polyester polyurethane water dispersible; vinylpyrrolidone copolymer adduct polyurethane; hydroxyethyl methacrylate copolymer adduct polyurethane
- IT Binders
(crosslinked, water-dispersible polyurethanes for use as binders)
- IT Drugs
(crosslinked, water-dispersible polyurethanes for use in pharmaceuticals)
- IT Polyurethanes, preparation
RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); TEM (Technical or engineered material use); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(polyester-, reaction products with crosslinkable polymers; crosslinked, water-dispersible polyurethanes)
- IT Polyurethanes, preparation
RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); TEM (Technical or engineered material use); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(polyester-polyoxyalkylene-, reaction products with crosslinkable polymers; crosslinked, water-dispersible polyurethanes)
- IT Polyurethanes, preparation
RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); TEM (Technical or engineered material use); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(polyoxyalkylene-, reaction products with crosslinkable polymers; crosslinked, water-dispersible polyurethanes)
- IT Hair preparations
(sprays; crosslinked, water-dispersible polyurethanes for use in hair sprays)
- IT Coating materials
(water-thinned; crosslinked, water-dispersible polyurethanes for use in coatings)
- IT 29612-57-5DP, 2-Hydroxyethyl methacrylate-1-vinyl-2-pyrrolidinone copolymer, reaction products with isocyanate-terminated polyurethanes 157354-91-1DP, Adipic acid-dimethylolpropionic acid-1,6-hexanediol-IPDI-isophthalic acid-neopentyl glycol copolymer, reaction products with crosslinkable copolymers 239135-74-1DP, Adipic acid-dimethylolpropionic acid-1,6-hexanediol-IPDI-isophthalic acid-neopentyl glycol-polytetramethylene glycol copolymer, reaction products with crosslinkable copolymers 250228-32-1DP, Adipic acid-1,4-cyclohexanedimethanol-dimethylolpropionic acid-1,6-hexanediol-IPDI-isophthalic acid copolymer, reaction products with crosslinkable copolymers 250228-33-2DP, Dimethylolpropionic acid-2,2'-(methylimino)diethanol-IPDI-neopentyl glycol-polytetramethylene glycol copolymer, reaction products with crosslinkable copolymers 250228-34-3DP, 2-Hydroxyethyl methacrylate-N-vinylcaprolactam-1-vinyl-2-pyrrolidinone copolymer, reaction products with isocyanate-terminated polyurethanes 250228-35-4DP, Tert-Butyl acrylate-2-hydroxyethyl methacrylate-sodium methacrylate-1-vinyl-2-pyrrolidinone copolymer, reaction products with isocyanate-terminated polyurethanes 250228-36-5DP, reaction products with isocyanate-terminated polyurethanes 250228-37-6DP, reaction products with isocyanate-terminated polyurethanes 250228-38-7DP, Tert-Butyl acrylate-2-(tert-butylamino)ethyl methacrylate-N-vinylcaprolactam copolymer, reaction products with isocyanate-terminated polyurethanes 250228-39-8DP, reaction products with isocyanate-terminated polyurethanes 250228-40-1DP, reaction products with isocyanate-terminated polyurethanes 250228-41-2DP, reaction products with isocyanate-terminated polyurethanes 250228-42-3DP, reaction products with isocyanate-terminated polyurethanes 250228-43-4DP, 2-(tert-Butylamino)ethyl methacrylate-sodium 2-acrylamido-2-

methylpropanesulfonate-1-vinyl-2-pyrrolidinone copolymer, reaction products with isocyanate-terminated polyurethanes 250228-44-5DP, 2-(tert-Butylamino)ethyl methacrylate-(dimethylamino)propyl methacrylate-1-vinyl-2-pyrrolidinone copolymer, reaction products with isocyanate-terminated polyurethanes 250228-45-6DP, reaction products with isocyanate-terminated polyurethanes 250228-47-8DP, 2-(tert-Butylamino)ethyl methacrylate-(dimethylamino)propyl methacrylate-N-vinylcaprolactam copolymer, reaction products with isocyanate-terminated polyurethanes 250228-48-9DP, reaction products with isocyanate-terminated polyurethanes

RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); TEM (Technical or engineered material use); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(crosslinked, water-dispersible polyurethanes)

IT 250228-42-3DP, reaction products with isocyanate-terminated polyurethanes

RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); TEM (Technical or engineered material use); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(crosslinked, water-dispersible polyurethanes)

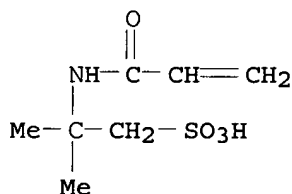
RN 250228-42-3 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-[(1,1-dimethylethyl)amino]ethyl ester, polymer with 1,1-dimethylethyl 2-propenoate, 2-ethylhexyl 2-methyl-2-propenoate and 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid monosodium salt (9CI) (CA INDEX NAME)

CM 1

CRN 5165-97-9

CMF C7 H13 N O4 S . Na

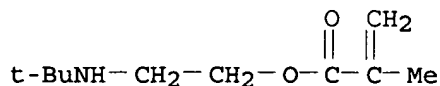


● Na

CM 2

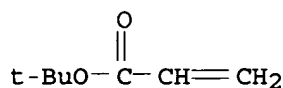
CRN 3775-90-4

CMF C10 H19 N O2



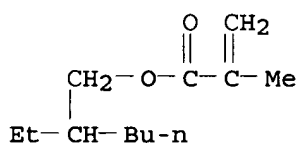
CM 3

CRN 1663-39-4
CMF C7 H12 O2



CM 4

CRN 688-84-6
CMF C12 H22 O2



RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 27 OF 39 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 1999:249029 HCAPLUS
DN 130:286821
TI Stable cosmetic water-in-oil-in-water emulsion containing carboxylic acid
polymers and crosslinked poly(acrylamidomethylpropane sulfonic acid)
IN Afriat, Isabelle; Chanvin, Florence; Guiramand, Carole
PA L'Oreal, Fr.
SO Eur. Pat. Appl., 17 pp.
CODEN: EPXXDW
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 908170	A1	19990414	EP 1998-402250	19980911
	EP 908170	B1	20000531		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	FR 2769224	A1	19990409	FR 1997-12364	19971003
	FR 2769224	B1	20000128		
	AT 193437	E	20000615	AT 1998-402250	19980911
	ES 2149039	T3	20001016	ES 1998-402250	19980911
	CA 2246583	AA	19990403	CA 1998-2246583	19981002
	CA 2246583	C	20050426		
	JP 11180824	A2	19990706	JP 1998-281760	19981002
	JP 3011696	B2	20000221		
	BR 9804154	A	20000328	BR 1998-4154	19981002
	US 6149900	A	20001121	US 1998-166125	19981005
PRAI	FR 1997-12364	A	19971003		

AB The title cosmetic emulsion which are used for cleansing or protection of skin, mucosa and hair are disclosed. Poly(2-acrylamido-2-methylpropane sulfonic acid) was crosslinked with trimethylolpropane triacrylate and neutralized with ammonia. Formulation of a triple emulsion containing 2% of above polymer is disclosed.

IC ICM A61K007-00
ICS A61K007-48

CC 62-4 (Essential Oils and Cosmetics)
Section cross-reference(s): 35, 38

ST stability cosmetic emulsion carboxylic acid polymer; crosslinking
polyacrylamidomethylpropane sulfonic acid cosmetic emulsion

IT Fats and Glyceridic oils, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(animal; stable cosmetic emulsion containing carboxylic acid polymers and
crosslinked poly(acrylamidomethylpropane sulfonic acid))

IT Polyoxyalkylenes, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(di-Me, Me hydrogen polysiloxane-, alkyl derivs.; stable cosmetic
emulsion containing carboxylic acid polymers and crosslinked
poly(acrylamidomethylpropane sulfonic acid))

IT Polysiloxanes, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(di-Me, Me hydrogen, polyoxyalkylene-, alkyl derivs.; stable cosmetic
emulsion containing carboxylic acid polymers and crosslinked
poly(acrylamidomethylpropane sulfonic acid))

IT Cosmetics
(emulsions; stable cosmetic emulsion containing carboxylic acid polymers
and crosslinked poly(acrylamidomethylpropane sulfonic acid))

IT Polysiloxanes, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(fluoro; stable cosmetic emulsion containing carboxylic acid polymers and
crosslinked poly(acrylamidomethylpropane sulfonic acid))

IT Carboxylic acids, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(hydroxy; stable cosmetic emulsion containing carboxylic acid polymers and
crosslinked poly(acrylamidomethylpropane sulfonic acid))

IT Polysiloxanes, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(phenyltrimethyl; stable cosmetic emulsion containing carboxylic acid
polymers and crosslinked poly(acrylamidomethylpropane sulfonic acid))

IT Alcohols, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(polyhydric; stable cosmetic emulsion containing carboxylic acid polymers
and crosslinked poly(acrylamidomethylpropane sulfonic acid))

IT Antioxidants
Deodorants
Dyes
Hair preparations
Mucous membrane
Perfumes
Preservatives
Sequestering agents
Solvents
Sunscreens
(stable cosmetic emulsion containing carboxylic acid polymers and
crosslinked poly(acrylamidomethylpropane sulfonic acid))

IT Enzymes, biological studies
Isoalkanes

Lipids, biological studies
Paraffin oils
Polysiloxanes, biological studies
Vitamins
Waxes
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(stable cosmetic emulsion containing carboxylic acid polymers and
crosslinked poly(acrylamidomethylpropane sulfonic acid))

IT Fats and Glyceridic oils, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(vegetable; stable cosmetic emulsion containing carboxylic acid polymers
and crosslinked poly(acrylamidomethylpropane sulfonic acid))

IT 50-21-5, biological studies 50-81-7, Ascorbic acid, biological studies
57-13-6, Urea, biological studies 68-26-8, Retinol 69-72-7, Salicylic
acid, biological studies 76-93-7, biological studies 77-92-9, Citric
acid, biological studies 79-14-1, Glycolic acid, biological studies
80-69-3, Tartronic acid 87-69-4, biological studies 90-64-2, Mandelic
acid 110-17-8, 2-Butenedioic acid (2E)-, biological studies 127-17-3,
Pyruvic acid, biological studies 153-18-4, Rutin 302-79-4, Retinoic
acid 331-39-5 501-30-4, Kojic acid 526-95-4, D-Gluconic acid
544-57-0, 2-Hydroxytetracosanoic acid 547-64-8, Methyllactate
600-15-7, 2-Hydroxybutanoic acid 617-31-2, 2-Hydroxypentanoic acid
617-73-2, 2-Hydroxyoctanoic acid 629-22-1, 2-Hydroxyoctadecanoic acid
636-69-1, 2-Hydroxyheptanoic acid 685-73-4, Galacturonic acid
764-67-0, 2-Hydroxyhexadecanoic acid 828-01-3 2507-55-3,
2-Hydroxytetradecanoic acid 2984-55-6, 2-Hydroxydodecanoic acid
5393-81-7, 2-Hydroxydecanoic acid 6064-63-7, 2-Hydroxyhexanoic acid
6556-12-3, Glucuronic acid 6915-15-7, Malic acid 7664-38-2D,
Phosphoric acid, glycosylated derivs., biological studies 9016-00-6,
Polydimethylsiloxane 15896-36-3, 2-Hydroxynonanoic acid 16742-48-6,
2-Hydroxyeicosanoic acid 17812-24-7, Ribonic acid 17941-34-3,
Aleuritic acid 19790-86-4, 2-Hydroxyundecanoic acid 31900-57-9,
Polydimethylsiloxane 191226-60-5
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(stable cosmetic emulsion containing carboxylic acid polymers and
crosslinked poly(acrylamidomethylpropane sulfonic acid))

IT 202000-47-3P
RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL
(Biological study); PREP (Preparation); USES (Uses)
(stable cosmetic emulsion containing carboxylic acid polymers and
crosslinked poly(acrylamidomethylpropane sulfonic acid))

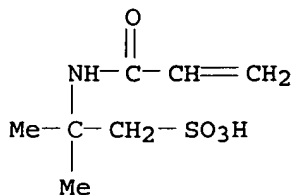
IT 202000-47-3P
RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL
(Biological study); PREP (Preparation); USES (Uses)
(stable cosmetic emulsion containing carboxylic acid polymers and
crosslinked poly(acrylamidomethylpropane sulfonic acid))

RN 202000-47-3 HCAPLUS
CN 2-Propenoic acid, 2-ethyl-2-[[[(1-oxo-2-propenyl)oxy]methyl]-1,3-
propanediyl ester, polymer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-
propanesulfonic acid monoammonium salt (9CI) (CA INDEX NAME)

CM 1

CRN 58374-69-9

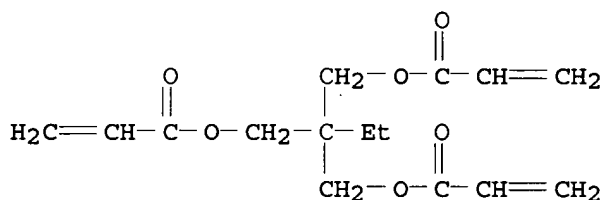
CMF C7 H13 N O4 S . H3 N

● NH₃

CM 2

CRN 15625-89-5

CMF C15 H20 O6



RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 28 OF 39 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1998:464300 HCAPLUS

DN 129:99804

TI Skin and hair compositions comprising a protein of plant and/or animal origin and a crosslinked poly(2-acrylamido 2-methylpropane sulfonic acid)

IN Lorant, Raluca

PA L'Oreal, Fr.

SO Eur. Pat. Appl., 13 pp.

CODEN: EPXXDW

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 850642	A1	19980701	EP 1997-403010	19971211
	EP 850642	B1	20030716		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	FR 2757767	A1	19980703	FR 1996-16132	19961227
	FR 2757767	B1	19990205		
	ES 2202566	T3	20040401	ES 1997-403010	19971211
	JP 10212226	A2	19980811	JP 1997-360903	19971226
	JP 3211876	B2	20010925		
	US 5908618	A	19990601	US 1997-998651	19971229
PRAI	FR 1996-16132	A	19961227		
AB	The title comps. are claimed. 2-Acrylamido 2-methylpropane sulfonic acid was neutralized with ammonia and crosslinked with trimethylpropane				

triacrylate (prepare given). A skin gel contained a solution of 2% above crosslinked poly(2-acrylamido 2-methylpropane sulfonic acid) in water 2, oat proteins 7, preservatives q.s., and water q.s. 100%.

IC ICM A61K007-48
ICS A61K007-06

CC 62-3 (Essential Oils and Cosmetics)
Section cross-reference(s): 35, 38

ST skin cosmetic protein crosslinked polyacrylamidomethylpropane sulfonate;
hair cosmetic protein crosslinked polyacrylamidomethylpropane sulfonate

IT **Keratins**
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(agents for lysis of; skin and hair compns. comprising proteins and crosslinked poly(acrylamido methylpropane sulfonic acid))

IT **Hair preparations**
(conditioners; skin and hair compns. comprising proteins and crosslinked poly(acrylamido methylpropane sulfonic acid))

IT Cosmetics
(creams; skin and hair compns. comprising proteins and crosslinked poly(acrylamido methylpropane sulfonic acid))

IT Cosmetics
(emollients; skin and hair compns. comprising proteins and crosslinked poly(acrylamido methylpropane sulfonic acid))

IT Cosmetics
(emulsions; skin and hair compns. comprising proteins and crosslinked poly(acrylamido methylpropane sulfonic acid))

IT Fatty acids, uses
RL: NUU (Other use, unclassified); USES (Uses)
(esters; skin and hair compns. comprising proteins and crosslinked poly(acrylamido methylpropane sulfonic acid))

IT Glycols, uses
RL: NUU (Other use, unclassified); USES (Uses)
(ethers; skin and hair compns. comprising proteins and crosslinked poly(acrylamido methylpropane sulfonic acid))

IT Cosmetics
(gels; skin and hair compns. comprising proteins and crosslinked poly(acrylamido methylpropane sulfonic acid))

IT Ethers, uses
RL: NUU (Other use, unclassified); USES (Uses)
(glycol; skin and hair compns. comprising proteins and crosslinked poly(acrylamido methylpropane sulfonic acid))

IT Dandruff
(inhibitors; skin and hair compns. comprising proteins and crosslinked poly(acrylamido methylpropane sulfonic acid))

IT Cosmetics
(lotions; skin and hair compns. comprising proteins and crosslinked poly(acrylamido methylpropane sulfonic acid))

IT Cosmetics
(moisturizers; skin and hair compns. comprising proteins and crosslinked poly(acrylamido methylpropane sulfonic acid))

IT Solvents
(organic; skin and hair compns. comprising proteins and crosslinked poly(acrylamido methylpropane sulfonic acid))

IT Alcohols, uses
RL: NUU (Other use, unclassified); USES (Uses)
(polyhydric; skin and hair compns. comprising proteins and crosslinked poly(acrylamido methylpropane sulfonic acid))

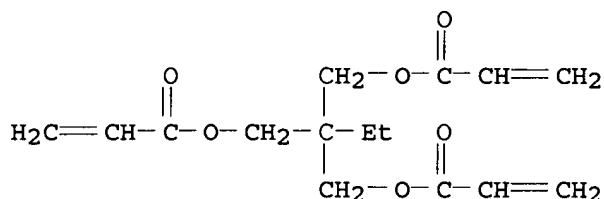
IT Antibacterial agents
Antioxidants
Cosmetics

Dyes
Emulsifying agents
Gelation agents
Insecticides
Perfumes
Pigments, nonbiological
Preservatives
Radical scavengers
Sequestering agents
Sunscreens
Surfactants
Thickening agents
 (skin and hair compns. comprising proteins and crosslinked
 poly(acrylamido methylpropane sulfonic acid))
IT Acids, biological studies
Alkali metal hydroxides
Ceramides
Polymers, biological studies
Vitamins
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (skin and hair compns. comprising proteins and crosslinked
 poly(acrylamido methylpropane sulfonic acid))
IT Alcohols, uses
RL: NUU (Other use, unclassified); USES (Uses)
 (skin and hair compns. comprising proteins and crosslinked
 poly(acrylamido methylpropane sulfonic acid))
IT Polyoxyalkylenes, uses
RL: NUU (Other use, unclassified); USES (Uses)
 (skin and hair compns. comprising proteins and crosslinked
 poly(acrylamido methylpropane sulfonic acid))
IT Protein hydrolyzates
RL: NUU (Other use, unclassified); USES (Uses)
 (skin and hair compns. comprising proteins and crosslinked
 poly(acrylamido methylpropane sulfonic acid))
IT 27119-07-9DP, Poly(2-acrylamido 2-methylpropane sulfonic acid),
crosslinked and neutralized 201338-09-2P
RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL
 (Biological study); PREP (Preparation); USES (Uses)
 (skin and hair compns. comprising proteins and crosslinked
 poly(acrylamido methylpropane sulfonic acid))
IT 50-70-4, D-Glucitol, uses 57-55-6D, 1,2-Propanediol, esters, uses
57-55-6D, 1,2-Propanediol, ethers, uses 107-21-1D, 1,2-Ethanediol,
ethers, uses 652-67-5D, dialkyl derivs. 25322-68-3
RL: NUU (Other use, unclassified); USES (Uses)
 (skin and hair compns. comprising proteins and crosslinked
 poly(acrylamido methylpropane sulfonic acid))
IT 7664-41-7, Ammonia, reactions
RL: RCT (Reactant); RACT (Reactant or reagent)
 (skin and hair compns. comprising proteins and crosslinked
 poly(acrylamido methylpropane sulfonic acid))
IT 201338-09-2P
RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL
 (Biological study); PREP (Preparation); USES (Uses)
 (skin and hair compns. comprising proteins and crosslinked
 poly(acrylamido methylpropane sulfonic acid))
RN 201338-09-2 HCAPLUS
CN 2-Propenoic acid, 2-ethyl-2-[[[(1-oxo-2-propenyl)oxy]methyl]-1,3-
propanediyl ester, polymer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-
propanesulfonic acid (9CI) (CA INDEX NAME)

CM 1

CRN 15625-89-5

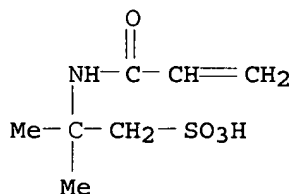
CMF C15 H20 O6



CM 2

CRN 15214-89-8

CMF C7 H13 N O4 S



RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 29 OF 39 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1998:402364 HCAPLUS

DN 129:96641

TI Aqueous dispersions of crystalline acrylic polymers for coatings

IN Stewart, Ray F.; Balachander, Natarajan; Yoon, Valentine Y.; Bitler, Steven P.; Phan, Loc

PA Landec Corp., USA

SO PCT Int. Appl., 45 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9825710	A1	<u>19980618</u>	WO 1997-US22772	19971212
	W: AU, CA, CN, JP				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	CA 2274643	AA	19980618	CA 1997-2274643	19971212
	AU 9856972	A1	19980703	AU 1998-56972	19971212
	EP 949975	A1	19991020	EP 1997-953166	19971212
	EP 949975	B1	20021002		
	R: CH, DE, DK, FR, GB, LI, NL				
	CN 1240376	A	20000105	CN 1997-180585	19971212
	JP 2001507726	T2	20010612	JP 1998-526969	19971212
	EP 1238714	A1	20020911	EP 2002-76507	19971212

EP 1238714 B1 20050302
 R: CH, DE, DK, FR, GB, LI, NL
 US 2001014310 A1 20010816 US 2001-764552 20010118
 US 6540984 B2 20030401
 US 2003147946 A1 20030807 US 2002-321187 20021217
 PRAI US 1996-766865 A 19961212
 US 1996-769639 A 19961212
 US 1997-929750 A 19970915
 EP 1997-953166 A3 19971212
 WO 1997-US22772 W 19971212
 US 1998-210421 A1 19981211
 US 2001-764552 A1 20010118
 AB Aqueous dispersions of crystalline acrylic polymers based on hydrophobic monomers, preferably on a mixture of hydrophobic and hydrophilic monomers which contains a crosslinking monomer, particularly side chain crystalline (SCC) polymers are useful for providing coatings on substrates, particularly on seeds (whose dormancy is thus extended) and on fibrous substrates, particularly human hair (which thus becomes heat-settable). A typical dispersion was manufactured by radical-emulsion polymerization of hexadecyl acrylate 70, hexyl acrylate 25, methacrylic acid 5, and 1,14-tetradecanediol diacrylate 2 g.
 IC ICM B05D007-00
 ICS A01C001-06; A61K007-06; D06M015-00; D06M023-00; C08F002-18
 CC 42-7 (Coatings, Inks, and Related Products)
 Section cross-reference(s): 19, 40, 62
 ST side chain cryst acrylic coating; tetradecanediol diacrylate copolymer emulsion coating; methacrylic acid copolymer emulsion coating; hexyl acrylate copolymer emulsion coating; hexadecyl acrylate copolymer emulsion coating; seed dormancy enhancing coating; hair heat setting coating
 IT Durable press finishing
 (aqueous dispersions of acrylic polymers with side-chain crystallinity for coatings for seeds and fibrous materials)
 IT Coating materials
 (dispersion; aqueous dispersions of acrylic polymers with side-chain crystallinity for coatings for seeds and fibrous materials)
 IT Polymerization
 (emulsion; aqueous dispersions of acrylic polymers with side-chain crystallinity for coatings for seeds and fibrous materials)
 IT Hair preparations
 (permanent wave; aqueous dispersions of acrylic polymers with side-chain crystallinity for coatings for seeds and fibrous materials)
 IT Growth and development, plant
 (seed dormancy; aqueous dispersions of acrylic polymers with side-chain crystallinity for coatings for seeds and fibrous materials)
 IT 209673-57-4P 209673-58-5P 209673-59-6P 209673-60-9P 209673-61-0P
 209673-62-1P 209673-63-2P
 RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (aqueous dispersions of acrylic polymers with side-chain crystallinity for coatings for seeds and fibrous materials)
 IT 34364-62-0P 146789-73-3P 185620-40-0P 185620-47-7P 195451-19-5P
 209673-39-2P 209673-40-5P 209673-41-6P 209673-42-7P 209673-44-9P
 209673-46-1P 209673-48-3P 209673-50-7P 209673-52-9P
 209673-54-1P 209673-56-3P 209673-64-3P 209673-65-4P
 RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (aqueous dispersions of acrylic polymers with side-chain crystallinity for coatings for seeds and fibrous materials)
 IT 209673-46-1P

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(aqueous dispersions of acrylic polymers with side-chain crystallinity for coatings for seeds and fibrous materials)

RN 209673-46-1 HCAPLUS

CN 2-Propenoic acid, hexadecyl ester, polymer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid, ammonium salt (9CI) (CA INDEX NAME)

CM 1

CRN 209673-45-0

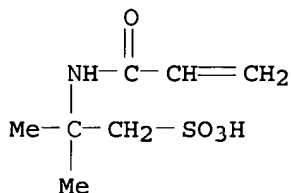
CMF (C19 H36 O2 . C7 H13 N O4 S)x

CCI PMS

CM 2

CRN 15214-89-8

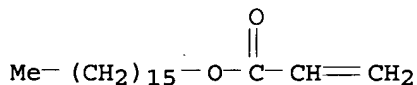
CMF C7 H13 N O4 S



CM 3

CRN 13402-02-3

CMF C19 H36 O2



RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 30 OF 39 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1998:198240 HCAPLUS

DN 128:208787

TI Preparation and use of ultrafine gelled and stabilized oil-in-water emulsion from crosslinked poly(2-acrylamido-2-methylpropanesulfonic acid) and neutralized to at least 90%

IN Lorant, Raluca

PA L'Oreal S. A., Fr.

SO Fr. Demande, 19 pp.

CODEN: FRXXBL

DT Patent

LA French

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI FR 2750329 A1 19980102 FR 1996-8111 19960628
 FR 2750329 B1 19980814
 EP 815846 A1 19980107 EP 1997-401256 19970604
 EP 815846 B1 19981125
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI
 ES 2127654 T3 19990416 ES 1997-401256 19970604
 JP 10087428 A2 19980407 JP 1997-170759 19970626
 JP 2922176 B2 19990719
 US 5952395 A 19990914 US 1997-885592 19970630
 PRAI FR 1996-8111 A 19960628

AB Cosmetic and dermatol. compns. are prepared from ultrafine gelled and stabilized oil-in-water emulsions based on $\geq 90\%$ neutralized, crosslinked poly(2-acrylamido-2-methylpropanesulfonic acid). The average size of the globules which constitute the oil phase are 50-1000 nm, and the emulsions may be prepared by phase inversion. The compns. are stable over a range of viscosities with a large variety of possible emulsifiers and oils used. The compns. may be used in skin care products, cosmetics, hair care formulations, sunscreens, non-therapeutic cosmetics, and in ointments and pomades for therapeutic treatment of the face, hands or skin. Thus, 2-acrylamido-2-methylpropanesulfonic acid was polymerized in the presence of trimethylolpropane triacrylate and NH_3 to give a crosslinked, neutralized polymer having hydrodynamic radius 440 nm in an aqueous solution. The prepared polymer was formulated with octyl palmitate, ethoxylated behenic alc., glycerin, and water to give an essentially translucent gel which was stable after 2 mo storage at ambient temperature. The gel was stable at 4° , 37° , and after 1 mo at 45° .

IC ICM A61K007-48
 ICS A61K007-06; A61K007-02; A61K007-42; A61K007-04; A61K009-06; A61K009-107; A61K047-32

CC 62-4 (Essential Oils and Cosmetics)
 Section cross-reference(s): 37, 38, 63

ST emulsion crosslinked polyacrylamidomethylpropanesulfonate cosmetic; skin crosslinked polyacrylamidomethylpropanesulfonate emulsion; stability emulsion cosmetic polyacrylamidomethylpropanesulfonate

IT Fats and Glyceridic oils, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (animal; stable oil-in-water emulsions based on crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and dermatol. preps.)

IT Cosmetics
 (conditioners; stable oil-in-water emulsions based on crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and dermatol. preps.)

IT Drug delivery systems
 Drug delivery systems
 (emulsions, topical; stable oil-in-water emulsions based on crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and dermatol. preps.)

IT Drug delivery systems
 (emulsions; stable oil-in-water emulsions based on crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and dermatol. preps.)

IT Fatty acids, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (esters, co-emulsifier; stable oil-in-water emulsions based on crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and dermatol. preps.)

- IT Alcohols, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(ethoxylated; stable oil-in-water emulsions based on crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and dermatol. prepns.)
- IT Alcohols, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(fatty, C16-22, co-emulsifier; stable oil-in-water emulsions based on crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and dermatol. prepns.)
- IT Cosmetics
(lotions; stable oil-in-water emulsions based on crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and dermatol. prepns.)
- IT Emulsions
(oil-in-water; stable oil-in-water emulsions based on crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and dermatol. prepns.)
- IT Drug delivery systems
(ointments; stable oil-in-water emulsions based on crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and dermatol. prepns.)
- IT Crosslinking agents
(olefinic; stable oil-in-water emulsions based on crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and dermatol. prepns.)
- IT Cosmetics
Crosslinking
Emulsifying agents
Hair preparations
Sunscreens
(stable oil-in-water emulsions based on crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and dermatol. prepns.)
- IT Paraffin oils
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(stable oil-in-water emulsions based on crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and dermatol. prepns.)
- IT Fats and Glyceridic oils, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(vegetable; stable oil-in-water emulsions based on crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and dermatol. prepns.)
- IT 15625-89-5, Trimethylolpropane triacrylate
RL: MOA (Modifier or additive use); USES (Uses)
(crosslinking agent; stable oil-in-water emulsions based on crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and dermatol. prepns.)
- IT 26636-40-8, Polyethylene glycol behenyl ether
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(emulsifying agent; stable oil-in-water emulsions based on crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and dermatol. prepns.)
- IT 16958-85-3, Octyl palmitate

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(stable oil-in-water emulsions based on crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and dermatol. prepns.)

IT 201338-10-5P

RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(stable oil-in-water emulsions based on crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and dermatol. prepns.)

IT 201338-10-5P

RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(stable oil-in-water emulsions based on crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and dermatol. prepns.)

RN 201338-10-5 HCAPLUS

CN 2-Propenoic acid, 2-ethyl-2-[[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediyl ester, polymer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid, ammonium salt (9CI) (CA INDEX NAME)

CM 1

CRN 201338-09-2

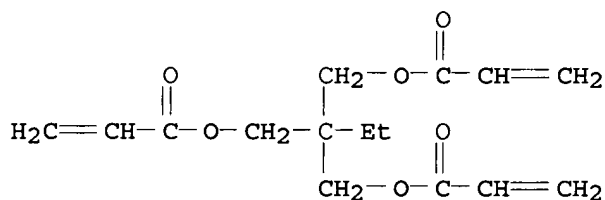
CMF (C15 H20 O6 . C7 H13 N O4 S)x

CCI PMS

CM 2

CRN 15625-89-5

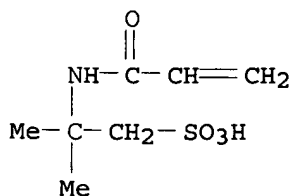
CMF C15 H20 O6



CM 3

CRN 15214-89-8

CMF C7 H13 N O4 S



L27 ANSWER 31 OF 39 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1998:198239 HCAPLUS

DN 128:208786

TI Cosmetic and/or dermatological composition containing at least an active precursor and crosslinked poly(2-acrylamido-2-methylpropanesulfonate)

IN Sebillotte, Arnaud Laurence; Lorant, Raluca

PA L'Oreal S. A., Fr.

SO Fr. Demande, 17 pp.

CODEN: FRXXBL

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2750328	A1	19980102	FR 1996-8110	19960628
	FR 2750328	B1	19980814		
	EP 815847	A1	19980107	EP 1997-401257	19970604
	EP 815847	B1	19990414		
	R: DE, ES, FR, GB, IT				
	ES 2133000	T3	19990816	ES 1997-401257	19970604
	JP 10067641	A2	19980310	JP 1997-172562	19970627
	JP 3023078	B2	20000321		
	US 5891452	A	19990406	US 1997-885596	19970630
PRAI	FR 1996-8110	A	19960628		

AB The title composition is characterized in that it contains ≥ 1 active precursor which can be liberated by an enzymic reaction upon contact with the stratum corneum and ≥ 1 crosslinked poly(2-acrylamido-2-methylpropanesulfonate) which is $\geq 90\%$ neutralized. The composition can be used in non-therapeutic cosmetic or in therapeutic formulations for skin, hair, nails, or mucous membranes. Thus, 2-acrylamido-2-methylpropanesulfonic acid was polymerized and crosslinked with trimethylolpropane triacrylate in the presence of NH_3 to give a crosslinked, neutralized polymer having hydrodynamic radius 440 nm in aqueous solution. An astringent gel for oily skin was prepared from the prepared polymer, Mg ascorbyl phosphate, and glycerin. The gel was perfectly transparent, gentle and refreshing on the skin.

IC ICM A61K007-48

ICS A61K007-06; A61K007-02; A61K007-42; A61K007-04; A61K007-16

CC 62-4 (Essential Oils and Cosmetics)

Section cross-reference(s): 38, 63

ST polyacrylamidomethylpropanesulfonate crosslinked neutralized cosmetic dermatol compn; therapeutic skin formulation active precursor

IT Skin preparations (pharmaceutical)

(astringents, gels, for oily skin; cosmetic and/or dermatol. compns. containing active precursors and crosslinked poly(acrylamidomethylpropanesulfonate))

IT Crosslinking agents

Hair preparations

(cosmetic and/or dermatol. compns. containing active precursors and crosslinked poly(acrylamidomethylpropanesulfonate))

IT Drug delivery systems

(gels, topical; cosmetic and/or dermatol. compns. containing active precursors and crosslinked poly(acrylamidomethylpropanesulfonate))

IT Cosmetics

(gels; cosmetic and/or dermatol. compns. containing active precursors and crosslinked poly(acrylamidomethylpropanesulfonate))

IT Carboxylic acids, biological studies

RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL

(Biological study); USES (Uses)
(hydroxy, precursors; cosmetic and/or dermatol. compns. containing active precursors and crosslinked poly(acrylamidomethylpropanesulfonate))

IT Nucleotides, biological studies
Vitamins
RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(precursors; cosmetic and/or dermatol. compns. containing active precursors and crosslinked poly(acrylamidomethylpropanesulfonate))

IT 7439-95-4D, Magnesium, ascorbyl phosphate complexes, biological studies
23313-12-4D, magnesium complexes
RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(active precursor; cosmetic and/or dermatol. compns. containing active precursors and crosslinked poly(acrylamidomethylpropanesulfonate))

IT 201338-10-5P
RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(cosmetic and/or dermatol. compns. containing active precursors and crosslinked poly(acrylamidomethylpropanesulfonate))

IT 15625-89-5, Trimethylolpropane triacrylate
RL: MOA (Modifier or additive use); USES (Uses)
(crosslinking agent; cosmetic and/or dermatol. compns. containing active precursors and crosslinked poly(acrylamidomethylpropanesulfonate))

IT 50-81-7D, Vitamin C, derivs. 56-81-5D, Glycerin, derivs. 117-39-5D, Quercetin, derivs. 926-43-2D, Hydroxyacetone phosphate, derivs. 1406-18-4D, Vitamin E, derivs. 11103-57-4D, Vitamin A, derivs.
RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(precursors; cosmetic and/or dermatol. compns. containing active precursors and crosslinked poly(acrylamidomethylpropanesulfonate))

IT 201338-10-5P
RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(cosmetic and/or dermatol. compns. containing active precursors and crosslinked poly(acrylamidomethylpropanesulfonate))

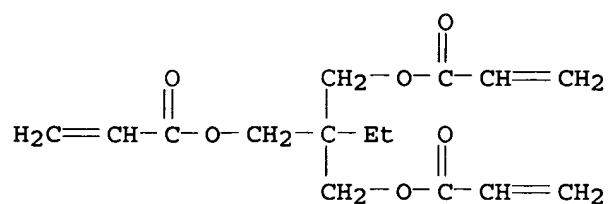
RN 201338-10-5 HCAPLUS
CN 2-Propenoic acid, 2-ethyl-2-[[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediyl ester, polymer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid, ammonium salt (9CI) (CA INDEX NAME)

CM 1

CRN 201338-09-2
CMF (C15 H20 O6 . C7 H13 N O4 S)x
CCI PMS

CM 2

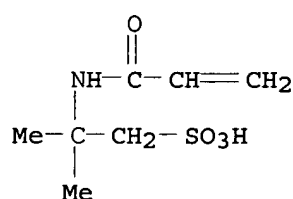
CRN 15625-89-5
CMF C15 H20 O6



CM 3

CRN 15214-89-8

CMF C7 H13 N O4 S



L27 ANSWER 32 OF 39 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1998:198238 HCAPLUS

DN 128:208785

TI Surfactant-free oil-in-water emulsion topical composition containing poly(2-acrylamido-2-methylpropanesulfonic acid)

IN Sebillotte, Arnaud Laurence; Lorant, Raluca

PA L'Oreal S. A., Fr.

SO Fr. Demande, 16 pp.

CODEN: FRXXBL

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2750327	A1	19980102	FR 1996-8109	19960628
	FR 2750327	B1	19980814		
	EP 815844	A1	19980107	EP 1997-401254	19970604
	EP 815844	B1	19981125		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	ES 2127653	T3	19990416	ES 1997-401254	19970604
	JP 10067685	A2	19980310	JP 1997-169242	19970625
	JP 3167645	B2	20010521		
	BR 9702541	A	19980929	BR 1997-2541	19970627
	RU 2141812	C1	19991127	RU 1997-110872	19970627
	US 5879718	A	19990309	US 1997-885595	19970630
PRAI	FR 1996-8109	A	19960628		

AB The title cosmetic and/or dermatol. oil-in-water emulsion contains ≥ 1 crosslinked poly(2-acrylamido-2-methylpropanesulfonic acid) which is $\geq 90\%$ neutralized. The compns. may be used in hair preps. and skin care products as well as in cosmetics, sunscreen, and non-therapeutic cosmetic treatments for skin. Thus, 2-acrylamido-2-methylpropanesulfonic was polymerized and crosslinked with trimethylolpropane

triacrylate in the presence of NH₃ to give a neutralized, crosslinked polymer having hydrodynamic radius 440 nm in aqueous solution. A moisturizing cream was prepared from a water-in-oil emulsion containing the prepared polymer, glycerin, almond oil, and cyclomethicone. The obtained cream was gelled, white, and homogeneous.

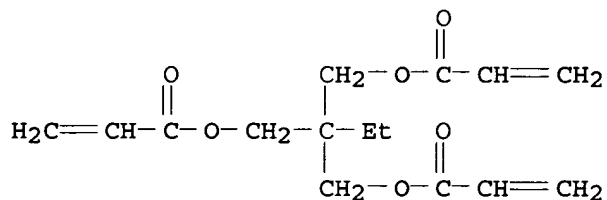
IC ICM A61K007-48
ICS A61K007-06; A61K007-02; A61K007-42; A61K007-04; A61K009-107
CC 62-4 (Essential Oils and Cosmetics)
Section cross-reference(s): 38, 63
ST cosmetic emulsion crosslinked polyacrylamidomethylpropanesulfonate; skin emulsion crosslinked polyacrylamidomethylpropanesulfonate; surfactant free polyacrylamidomethylpropanesulfonate cosmetic emulsion
IT Skin preparations (pharmaceutical)
(astringents, for oily skin; surfactant-free oil-in-water topical emulsion topical containing poly(acrylamidomethylpropanesulfonic acid))
IT Cosmetics
(depilatories; surfactant-free oil-in-water topical emulsion topical containing poly(acrylamidomethylpropanesulfonic acid))
IT Cosmetics
(emulsions; surfactant-free oil-in-water topical emulsion topical containing poly(acrylamidomethylpropanesulfonic acid))
IT Cosmetics
(moisturizers; surfactant-free oil-in-water topical emulsion topical containing poly(acrylamidomethylpropanesulfonic acid))
IT Cosmetics
(skin-lightening; surfactant-free oil-in-water topical emulsion topical containing poly(acrylamidomethylpropanesulfonic acid))
IT Crosslinking agents
Hair preparations
Sunscreens
(surfactant-free oil-in-water topical emulsion topical containing poly(acrylamidomethylpropanesulfonic acid))
IT 15625-89-5, Trimethylolpropane triacrylate
RL: MOA (Modifier or additive use); USES (Uses)
(crosslinking agent; surfactant-free oil-in-water topical emulsion topical containing poly(acrylamidomethylpropanesulfonic acid))
IT 201338-10-5P
RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(surfactant-free oil-in-water topical emulsion topical containing poly(acrylamidomethylpropanesulfonic acid))
IT 201338-10-5P
RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(surfactant-free oil-in-water topical emulsion topical containing poly(acrylamidomethylpropanesulfonic acid))
RN 201338-10-5 HCAPLUS
CN 2-Propenoic acid, 2-ethyl-2-[[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediyl ester, polymer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid, ammonium salt (9CI) (CA INDEX NAME)

CM 1

CRN 201338-09-2
CMF (C15 H20 O6 . C7 H13 N O4 S)x
CCI PMS

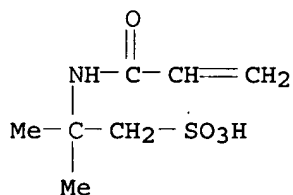
CM 2

CRN 15625-89-5
CMF C15 H20 O6



CM 3

CRN 15214-89-8
CMF C7 H13 N O4 S



L27 ANSWER 33 OF 39 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1998:198237 HCAPLUS

DN 128:208784

TI Cosmetic and/or dermatological acid composition containing
poly(2-acrylamido-2-methylpropane sulfonic acid) crosslinked and
neutralized to at least 90%

IN Dupuis, Christine; Hansenne, Isabelle; Maubru, Mireille; Sebillotte,
Arnaud Laurence; Lorant, Raluca

PA L'Oreal S. A., Fr.

SO Fr. Demande, 19 pp.

CODEN: FRXXBL

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2750326	A1	19980102	FR 1996-8108	19960628
	FR 2750326	B1	19980731		
	EP 815845	A1	19980107	EP 1997-401255	19970604
	EP 815845	B1	20000126		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	AT 189117	E	20000215	AT 1997-401255	19970604
	ES 2144831	T3	20000616	ES 1997-401255	19970604
	JP 10067616	A2	19980310	JP 1997-170758	19970626
	JP 2941234	B2	19990825		
	CA 2209430	AA	19971228	CA 1997-2209430	19970627
	BR 9702539	A	19980929	BR 1997-2539	19970627
	RU 2167642	C2	20010527	RU 1997-110873	19970627

US 6468549 B1 20021022 US 1997-885167 19970630
 PRAI FR 1996-8108 A 19960628

AB Cosmetic and/or dermatol. compns. having an aqueous acid medium contain ≥ 1 poly(2-acrylamido-2-methylpropanesulfonate) which is crosslinked and $\geq 90\%$ neutralized. The compns. are characterized in that the pH of the aqueous medium ≤ 5 and preferably 1-4 and the polymer is crosslinked with ≥ 1 monomer having ≥ 2 olefinic double bonds. The compns. may be used in shampoos or hair-care products; hygienic products; cosmetics; sunscreens; non-therapeutic cosmetics for the skin, scalp, eyelashes, eyebrows, nails or mucus membranes; or non-therapeutic products for depigmentation of the face or body. The compns. may also be used to thicken or form gels for dermatol. ointments. Thus, 2-acrylamido-2-methylpropanesulfonic acid was polymerized and neutralized with NH_3 and then crosslinked with trimethylolpropane triacrylate to give a neutralized crosslinked polymer having hydrodynamic radius 440 nm. The prepared crosslinked polymer was used to prepare a thick, transparent stable gel sunscreen.

IC ICM A61K007-48
 ICS A61K007-06; A61K007-02; A61K007-42; A61K007-16; A61K009-06; A61K047-32; A61K007-04

CC 62-4 (Essential Oils and Cosmetics)
 Section cross-reference(s): 37, 38, 63

ST polyacrylamidomethylpropanesulfonate crosslinked neutralized cosmetic dermatol compn

IT Cosmetics
 (antiaging; neutralized crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and/or dermatolog. compns. in aqueous acid medium)

IT Drug delivery systems
 (buccal; neutralized crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and/or dermatolog. compns. in aqueous acid medium)

IT Bath preparations
 (douches; neutralized crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and/or dermatolog. compns. in aqueous acid medium)

IT Carboxylic acids, biological studies
 RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (hydroxy, active organic acid; neutralized crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and/or dermatolog. compns. in aqueous acid medium)

IT Crosslinking
 Crosslinking agents
 (in preparation of neutralized crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and/or dermatolog. compns. in aqueous acid medium)

IT Cosmetics
 (moisturizers; neutralized crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and/or dermatolog. compns. in aqueous acid medium)

IT Insect repellents
 (mosquito; neutralized crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and/or dermatolog. compns. in aqueous acid medium)

IT Cosmetics
 Hair preparations
 Mouthwashes
 Shampoos
 Skin preparations (pharmaceutical)
 Sunscreens
 (neutralized crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and/or dermatolog. compns. in aqueous acid medium)

IT Drug delivery systems
 Drug delivery systems
 (ointments, gels; neutralized crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and/or dermatolog. compns. in aqueous acid medium)

ulfonate) for cosmetic and/or dermatolog. compns. in aqueous acid medium)

IT Drug delivery systems
(ointments; neutralized crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and/or dermatolog. compns. in aqueous acid medium)

IT Cosmetics
(skin-lightening; neutralized crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and/or dermatolog. compns. in aqueous acid medium)

IT 50-81-7, Ascorbic acid, biological studies 65-85-0, Benzoic acid, biological studies 69-72-7D, Salicylic acid, derivs. 77-92-9, Citric acid, biological studies 80-69-3, Tartronic acid 87-69-4, Tartaric acid, biological studies 90-64-2, Mandelic acid 104-98-3, Urocanic acid 110-17-8, Fumaric acid, biological studies 302-79-4D, Retinoic acid, derivs. 331-39-5 501-30-4, Kojic acid 526-95-4, Gluconic acid 685-73-4, Galacturonic acid 828-01-3 6915-15-7, Malic acid 17812-24-7, Ribonic acid 17941-34-3, Aleuritic acid 27503-81-7, 2-Phenylbenzimidazole-5-sulfonic acid 56039-58-8 92761-26-7
RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(active organic acid; neutralized crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and/or dermatolog. compns. in aqueous acid medium)

IT 15625-89-5, Trimethylolpropane triacrylate
RL: MOA (Modifier or additive use); USES (Uses)
(crosslinking agent; neutralized crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and/or dermatolog. compns. in aqueous acid medium)

IT 201338-10-5P, 2-Acrylamido-2-methylpropanesulfonic acid-trimethylolpropane triacrylate copolymer ammonium salt
RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(neutralized crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and/or dermatolog. compns. in aqueous acid medium)

IT 201338-10-5P, 2-Acrylamido-2-methylpropanesulfonic acid-trimethylolpropane triacrylate copolymer ammonium salt
RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(neutralized crosslinked poly(acrylamidomethylpropanesulfonate) for cosmetic and/or dermatolog. compns. in aqueous acid medium)

RN 201338-10-5 HCAPLUS

CN 2-Propenoic acid, 2-ethyl-2-[[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediyl ester, polymer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid, ammonium salt (9CI) (CA INDEX NAME)

CM 1

CRN 201338-09-2

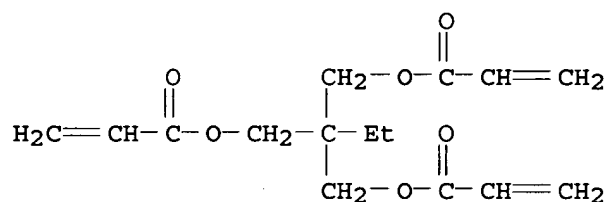
CMF (C15 H20 O6 . C7 H13 N O4 S)x

CCI PMS

CM 2

CRN 15625-89-5

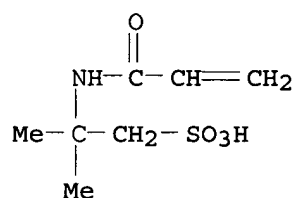
CMF C15 H20 O6



CM 3

CRN 15214-89-8

CMF C7 H13 N O4 S



L27 ANSWER 34 OF 39 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1998:186532 HCAPLUS

DN 128:248343

TI Oxidative gel and uses for dyeing, for permanent deformation, or for decoloration of hair

IN Maubru, Mireille

PA L'Oreal, Fr.

SO Eur. Pat. Appl., 12 pp.

CODEN: EPXXDW

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 829258	A1	19980318	EP 1997-402050	19970903
	EP 829258	B1	19990303		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	FR 2753372	A1	19980320	FR 1996-11318	19960917
	FR 2753372	B1	19981030		
	ES 2131986	T3	19990801	ES 1997-402050	19970903
	JP 10101532	A2	19980421	JP 1997-251168	19970916
	JP 2965533	B2	19991018		
	US 6180118	B1	20010130	US 1997-931561	19970916
	CA 2214452	AA	19980317	CA 1997-2214452	19970917
	CA 2214452	C	20021210		
PRAI	FR 1996-11318	A	19960917		

AB A cosmetic and/or dermatol. composition for treating keratin materials, especially hair, is characterized in that it contains ≥ 1 2-acrylamido-2-methylpropanesulfonic acid (I) polymer which is crosslinked and $\geq 90\%$ neutralized and ≥ 1 oxidant selected from hydrogen peroxide and compds. which can produce hydrogen peroxide upon hydrolysis. The polymer is used as a thickening or

gelling agent, increasing the shelf life or stability of the composition. Thus, I was polymerized and crosslinked with trimethylolpropane triacrylate and neutralized with NH₃ to give a crosslinked neutralized I polymer. Use of the crosslinked I in a permanent deformation composition containing H₂O₂ improved the stability and shelf life of the composition compared with a standard gel based on Carbopol.

- IC ICM A61K007-13
ICS A61K007-135; A61K007-48; A61K007-06
- CC 62-3 (Essential Oils and Cosmetics)
Section cross-reference(s): 37, 38
- ST oxidative gel hair prepn stability; crosslinked neutralized polyacrylamidomethylpropanesulfonate thickener hair prepn; dye hair oxidative gel stability; decoloration hair gel stability
- IT Hair preparations
(decolorizers; oxidative gels for dyeing, permanents, and decoloration of hair with improved shelf life)
- IT Hair preparations
(dyes, oxidative, gel; oxidative gels for dyeing, permanents, and decoloration of hair with improved shelf life)
- IT Crosslinking agents
(for poly(acrylamidomethylpropanesulfonic acid); oxidative gels for dyeing, permanents, and decoloration of hair with improved shelf life)
- IT Hair preparations
Hair preparations
(gels; oxidative gels for dyeing, permanents, and decoloration of hair with improved shelf life)
- IT Peroxysulfates
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(oxidative gels for dyeing, permanents, and decoloration of hair with improved shelf life)
- IT Group IIIA element compounds
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(perborates; oxidative gels for dyeing, permanents, and decoloration of hair with improved shelf life)
- IT Hair preparations
(permanent wave; oxidative gels for dyeing, permanents, and decoloration of hair with improved shelf life)
- IT 27119-07-9D, 2-Acrylamido-2-methylpropanesulfonic acid polymer, salts
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(crosslinked; oxidative gels for dyeing, permanents, and decoloration of hair with improved shelf life)
- IT 124-43-6 7722-84-1, Hydrogen peroxide, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(oxidative gels for dyeing, permanents, and decoloration of hair with improved shelf life)
- IT 201338-10-5P, 2-Acrylamido-2-methylpropanesulfonic acid-trimethylolpropane triacrylate copolymer ammonium salt
RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); BIOL (Biological study); PREP (Preparation); USES (Uses)
(oxidative gels for dyeing, permanents, and decoloration of hair with improved shelf life)
- IT 27119-07-9D, 2-Acrylamido-2-methylpropanesulfonic acid polymer, salts

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(crosslinked; oxidative gels for dyeing, permanents, and decoloration of hair with improved shelf life)

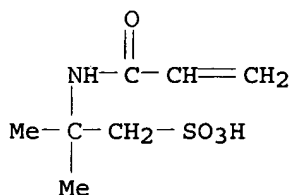
RN 27119-07-9 HCAPLUS

CN 1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propenyl)amino]-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 15214-89-8

CMF C7 H13 N O4 S



IT 201338-10-5P, 2-Acrylamido-2-methylpropanesulfonic acid-trimethylolpropane triacrylate copolymer ammonium salt

RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); BIOL (Biological study); PREP (Preparation); USES (Uses)

(oxidative gels for dyeing, permanents, and decoloration of hair with improved shelf life)

RN 201338-10-5 HCAPLUS

CN 2-Propenoic acid, 2-ethyl-2-[[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediyl ester, polymer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid, ammonium salt (9CI) (CA INDEX NAME)

CM 1

CRN 201338-09-2

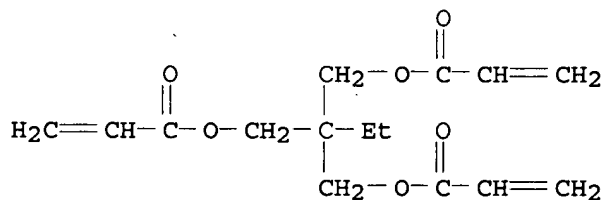
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CCI PMS

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CRN 15625-89-5

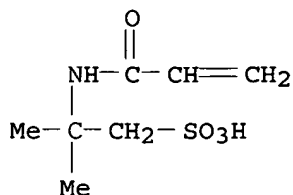
CMF C15 H20 O6



CM 3

CRN 15214-89-8

CMF C7 H13 N O4 S



RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 35 OF 39 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1998:55496 HCAPLUS

DN 128:132258

TI Topical cosmetic compositions containing crosslinked and at least 90% neutralized poly(2-acrylamido-2-methylpropanesulfonic acid)

IN Dupuis, Christine; Hansenne, Isabelle; Maubru, Mireille;

Sebillotte-Arnaud, Laurence; Lorant, Raluca

PA L'Oreal, Fr.; Dupuis, Christine; Hansenne, Isabelle; Maubru, Mireille;

Sebillotte-Arnaud, Laurence; Lorant, Raluca

SO PCT Int. Appl., 31 pp.

CODEN: PIXXD2

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9800094	A1	19980108	WO 1997-FR1098	19970618
	W: BR, CA, JP, KR, PL, RU, US				
	FR 2750325	A1	19980102	FR 1996-8107	19960628
	FR 2750325	B1	19980731		
	EP 815828	A1	19980107	EP 1997-401400	19970618
	EP 815828	B1	19990224		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	CA 2227975	AA	19980108	CA 1997-2227975	19970618
	JP 10511703	T2	19981110	JP 1997-503870	19970618
	AT 176863	E	19990315	AT 1997-401400	19970618
	ES 2131428	T3	19990716	ES 1997-401400	19970618
	BR 9706550	A	19990720	BR 1997-6550	19970618
	RU 2152780	C2	20000720	RU 1998-105687	19970618
	JP 3115001	B2	20001204	JP 1998-503870	19970618
	US 6120780	A	20000919	US 1998-29514	19981027
PRAI	FR 1996-8107	A	19960628		
	WO 1997-FR1098	W	19970618		

AB The use of crosslinked and at least 90% neutralized poly(2-acrylamido-2-methylpropanesulfonic acid) polymers is described. The invention concerns particularly the use of these polymers as thickening and/or gelling agents in cosmetic and/or dermatol. compns. Thus, a copolymer (I) was prepared by the reaction of ammonium 2-acrylamido-2-methylpropanesulfonate and trimethylolpropane triacrylate. A moisturizing gel contained I 1.5, glycerin 3, EtOH 20 and water to 100 g.

IC ICM A61K007-06

ICS A61K007-48

CC 62-4 (Essential Oils and Cosmetics)

Section cross-reference(s): 63

ST cosmetic polyacrylamidomethylpropanesulfonate crosslinked prepn

IT Cosmetics
Cosmetics
(cleansing creams; topical cosmetic compns. containing crosslinked and neutralized poly(acrylamidomethylpropanesulfonic acid))

IT Cosmetics
(creams, moisturizers; topical cosmetic compns. containing crosslinked and neutralized poly(acrylamidomethylpropanesulfonic acid))

IT Bath preparations
(douches; topical cosmetic compns. containing crosslinked and neutralized poly(acrylamidomethylpropanesulfonic acid))

IT Cosmetics
(emollients; topical cosmetic compns. containing crosslinked and neutralized poly(acrylamidomethylpropanesulfonic acid))

IT Fatty acids, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(esters; topical cosmetic compns. containing crosslinked and neutralized poly(acrylamidomethylpropanesulfonic acid))

IT Glycols, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(ethers; topical cosmetic compns. containing crosslinked and neutralized poly(acrylamidomethylpropanesulfonic acid))

IT Cosmetics
(eyebrow pencils; topical cosmetic compns. containing crosslinked and neutralized poly(acrylamidomethylpropanesulfonic acid))

IT Cosmetics
Hair preparations
Hair preparations
Sunscreens
Sunscreens
(gels; topical cosmetic compns. containing crosslinked and neutralized poly(acrylamidomethylpropanesulfonic acid))

IT Ethers, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(glycol; topical cosmetic compns. containing crosslinked and neutralized poly(acrylamidomethylpropanesulfonic acid))

IT Cosmetics
(hand creams; topical cosmetic compns. containing crosslinked and neutralized poly(acrylamidomethylpropanesulfonic acid))

IT Cosmetics
(moisturizers, creams; topical cosmetic compns. containing crosslinked and neutralized poly(acrylamidomethylpropanesulfonic acid))

IT Cosmetics
(moisturizers, gels; topical cosmetic compns. containing crosslinked and neutralized poly(acrylamidomethylpropanesulfonic acid))

IT Cosmetics
(nail lacquers; topical cosmetic compns. containing crosslinked and neutralized poly(acrylamidomethylpropanesulfonic acid))

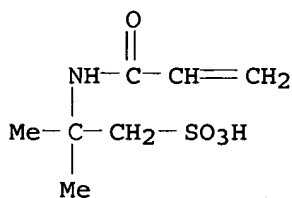
IT Alcohols, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(polyhydric; topical cosmetic compns. containing crosslinked and neutralized poly(acrylamidomethylpropanesulfonic acid))

IT Antioxidants
Bath preparations
Cosmetics
Gelation agents
Mouthwashes

Perfumes
Sequestering agents
Shampoos
Surfactants
Thickening agents
 (topical cosmetic compns. containing crosslinked and neutralized
 poly(acrylamidomethylpropanesulfonic acid))
IT Alcohols, biological studies
Antibacterial agents
Ceramides
Insect repellents
Polymers, biological studies
Polyoxyalkylenes, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
 (topical cosmetic compns. containing crosslinked and neutralized
 poly(acrylamidomethylpropanesulfonic acid))
IT Drug delivery systems
 (topical; topical cosmetic compns. containing crosslinked and neutralized
 poly(acrylamidomethylpropanesulfonic acid))
IT 50-70-4D, Sorbitol, derivs. 57-55-6D, 1,2-Propanediol, esters or ethers,
biological studies 652-67-5D, Isosorbide, alkyl derivs. 25322-68-3
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
 (topical cosmetic compns. containing crosslinked and neutralized
 poly(acrylamidomethylpropanesulfonic acid))
IT 202000-47-3P
RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)
 (topical cosmetic compns. containing crosslinked and neutralized
 poly(acrylamidomethylpropanesulfonic acid))
IT 121601-27-2, Cosmedia HSP 1160
RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL
(Biological study); USES (Uses)
 (topical cosmetic compns. containing crosslinked and neutralized
 poly(acrylamidomethylpropanesulfonic acid))
IT 202000-47-3P
RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)
 (topical cosmetic compns. containing crosslinked and neutralized
 poly(acrylamidomethylpropanesulfonic acid))
RN 202000-47-3 HCAPLUS
CN 2-Propenoic acid, 2-ethyl-2-[[[(1-oxo-2-propenyl)oxy]methyl]-1,3-
propanediyl ester, polymer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-
propanesulfonic acid monoammonium salt (9CI) (CA INDEX NAME)

CM 1

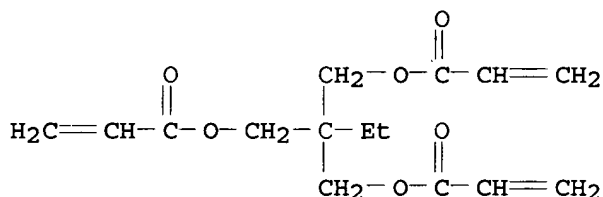
CRN 58374-69-9
CMF C7 H13 N O4 S . H3 N

● NH₃

CM 2

CRN 15625-89-5

CMF C15 H20 O6



RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 36 OF 39 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1994:686350 HCAPLUS

DN 121:286350

TI Cosmetic hair or skin care compositions containing thickening mixture
 based on guar gum or non-ionic cellulose and a cross-linked polymer

IN Dupuis, Christine

PA Oreal S. A., Fr.

SO PCT Int. Appl., 22 pp.

CODEN: PIXXD2

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9418935	A1	19940901	WO 1994-FR170	19940216
	W: AU, CA, CN, HU, JP, KR, PL, RU, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	FR 2701844	A1	19940902	FR 1993-2065	19930223
	FR 2701844	B1	19950609		
	AU 9460402	A1	19940914	AU 1994-60402	19940216
	EP 686024	A1	19951213	EP 1994-906950	19940216
	EP 686024	B1	19970507		
	R: DE, ES, FR, GB, IT				
	JP 08506824	T2	19960723	JP 1994-518701	19940216
	ES 2101511	T3	19970701	ES 1994-906950	19940216
	US 5679328	A	19971021	US 1994-507318	19940822
PRAI	FR 1993-2065	A	19930223		

WO 1994-FR170 W 19940216

AB A thickening mixture for cosmetics contain (a) ≥ 1 guar gum or non-ionic cellulose having no hydrophobic group, with a viscosity in solution of over 15 cps at 1.5 wt% in water, as measured by DRAGE module 2 at 25°C; (b) ≥ 1 cross-linked polymer selected from (1) acrylamide and ammonium acrylate copolymers; (2) acrylamide and partially or totally neutralized 2-acrylamido-2-methylpropane sulfonic acid copolymers; (3) acrylamide and methacryloyl oxyethyl trimethylammonium chloride copolymers; and (4) methacryloyl oxyethyl trimethylammonium chloride homopolymers; wherein the weight ratio of cross-linked polymer active material to guar gum or cellulose is 0.2-10. A hair gel contained Sepigel 305 (a 40% emulsion of acrylamide-2-acrylamido-2-methylpropane sodium sulfonate copolymer) 1, Klucel H (hydroxypropyl cellulose) 1, EtOH 8.5g, perfumes, colors and preservatives q.s. and water q.s. 100g.

IC ICM A61K007-06
ICS A61K007-48

CC 62-4 (Essential Oils and Cosmetics)

ST cosmetic hair guar gum cellulose deriv; skin cosmetic guar gum cellulose deriv; gel hair Sepigel 305 Klucel H

IT Cosmetics
Hair preparations
Thickening agents
(hair or skin care compns. containing guar gum or non-ionic cellulose and a cross-linked polymer)

IT Hair preparations
(gels, hair or skin care compns. containing guar gum or non-ionic cellulose and a cross-linked polymer)

IT 9000-30-0, Guar gum 9000-30-0D, Guar gum, hydroxypropyl derivs.
9004-62-0, Hydroxyethyl cellulose 9004-64-2, Klucel h 9004-65-3,
Methocel f4m 9004-67-5, Methyl cellulose 9032-42-2, Methylhydroxyethyl cellulose 26100-47-0, Pas 5161 35429-19-7, Salcare sc92 35429-19-7,
Acrylamide-methacryloyl oxyethyl trimethylammonium chloride copolymer 39421-75-5, Jaguar hp8 40623-73-2, Acrylamide-2-acrylamido-2-methylpropane sulfonic acid copolymer 54578-91-5, Gantrez es 425 121436-71-3 131954-48-8, Gafquat hs100 148093-12-3, Sepigel 305
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(hair or skin care compns. containing guar gum or non-ionic cellulose and a cross-linked polymer)

IT 40623-73-2, Acrylamide-2-acrylamido-2-methylpropane sulfonic acid copolymer
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(hair or skin care compns. containing guar gum or non-ionic cellulose and a cross-linked polymer)

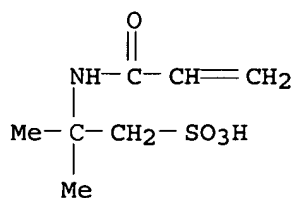
RN 40623-73-2 HCAPLUS

CN 1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propenyl)amino]-, polymer with 2-propenamide (9CI) (CA INDEX NAME)

CM 1

CRN 15214-89-8

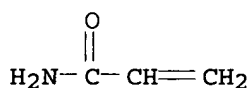
CMF C7 H13 N O4 S



CM 2

CRN 79-06-1

CMF C3 H5 N O



L27 ANSWER 37 OF 39 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1994:586782 HCAPLUS

DN 121:186782

TI Aqueous aerosol lacquer for fixing hair

IN Lion, Bertrand; Mondet, Jean; Dupuis, Christine

PA Oreal S. A., Fr.

SO Eur. Pat. Appl., 11 pp.

CODEN: EPXXDW

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 611566	A1	19940824	EP 1994-400312	19940214
	EP 611566	B1	19970507		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, PT, SE				
	FR 2701394	A1	19940819	FR 1993-1724	19930216
	FR 2701394	B1	19950414		
	US 5587145	A	19961224	US 1994-195145	19940214
	AT 152605	E	19970515	AT 1994-400312	19940214
	CA 2115704	AA	19940817	CA 1994-2115704	19940215
PRAI	FR 1993-1724	A	19930216		

AB An aqueous aerosol lacque for fixing hair is comprised of copolymer of an unsatd. sulfonic acid and N-monoalkyl acrylamide or methacrylamide (Markush structure given). N-tertiobutyl acrylamide (I) 38, azobisisobutyronitril 0.5, EtOH 227.5, acrylamido-2-Me propane sulfonic acid (II) 62, and water 122.5 g were stirred under N at 70° for 5 h, the solvents were evaporated to obtain I-II copolymer. An aqueous aerosol lacque containing 8.4 g I-II copolymer neutralized 60% by triethanolamine in 70 g water and 30 dimethylether was prepared

IC ICM A61K007-06

ICS A61K007-11

CC 62-3 (Essential Oils and Cosmetics)

ST aq aerosol lacque fixative hair; acrylamide propane sulfonate copolymer fixative hair

IT Hair preparations

(fixatives, aqueous aerosol lacque for fixing hair)

IT 61156-86-3P 157956-36-0P 157956-37-1P 157956-38-2P
157956-39-3P
RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL
(Biological study); PREP (Preparation); USES (Uses)
(aqueous aerosol lacque for fixing hair)

IT 157956-36-0P 157956-37-1P
RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL
(Biological study); PREP (Preparation); USES (Uses)
(aqueous aerosol lacque for fixing hair)

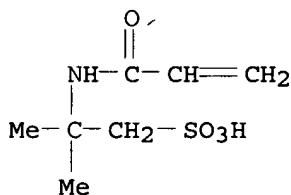
RN 157956-36-0 HCAPLUS

CN 2-Propenoic acid, ethyl ester, polymer with N-(1,1-dimethylethyl)-2-
propenamide, N-(1,1-dimethyl-3-oxobutyl)-2-propenamide and
2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid (9CI) (CA
INDEX NAME)

CM 1

CRN 15214-89-8

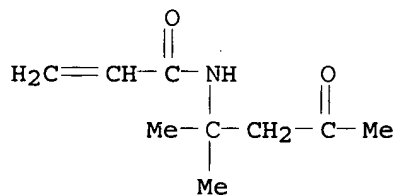
CMF C7 H13 N O4 S



CM 2

CRN 2873-97-4

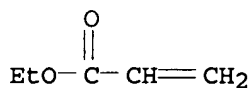
CMF C9 H15 N O2



CM 3

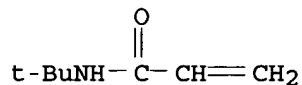
CRN 140-88-5

CMF C5 H8 O2



CM 4

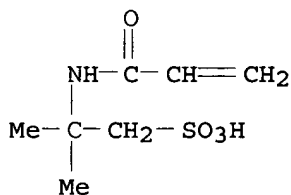
CRN 107-58-4
CMF C7 H13 N O



RN 157956-37-1 HCAPLUS
CN 1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propenyl)amino]-, polymer
with N-(1,1-dimethylethyl)-2-propenamide and N-(1,1-dimethyl-3-oxobutyl)-2-
propenamide (9CI) (CA INDEX NAME)

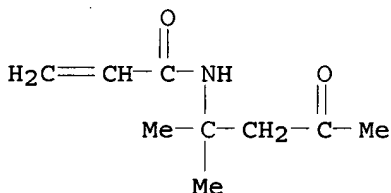
CM 1

CRN 15214-89-8
CMF C7 H13 N O4 S



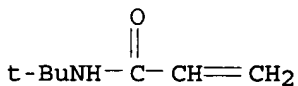
CM 2

CRN 2873-97-4
CMF C9 H15 N O2



CM 3

CRN 107-58-4
CMF C7 H13 N O



AN 1990:124925 HCAPLUS
 DN 112:124925
 TI Hair conditioning polymers containing alkoxyated nitrogen salts
 of sulfonic acid
 IN Salamone, Ann B.; Snyder, Susan L.
 PA Morton Thiokol, Inc., USA
 SO U.S., 12 pp. Cont. of U.S. Ser. No. 302,329, abandoned.
 CODEN: USXXAM
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4859458	A	19890822	US 1988-173519	19880325
PRAI	US 1981-302329	A1	19810915		

AB A polyanionic polymer for imparting good conditioning properties to the hair is made from an ethylenically unsatd. addition-polymerizable monomer containing an alkoxyated N salt of a sulfonic acid and ≥ 1 addnl. neutral, anionic, or cationic monomer. The addition-polymerizable monomer is present in a mol fraction of 0.03-1.0 and the salt is derived from an ethoxyated amine having the structure $R_1R_2N(CH_2CH_2O)_xH$ [$R_1, R_2 = H, C1-30$ alkyl, aryl, $(CH_2CH_2O)_xH$; or $R_1R_2 =$ alkylene; $x = 7.5-25$]. Thus, 2-acrylamido-2-methylpropanesulfonic acid was polymerized with acrylamide in the presence of $CuCl_2$ and $(NH_4)_2S_2O_8$ under N_2 , the product was neutralized with soyabis(pentadecaoxyethylene)amine, and the pH was adjusted to 6 with citric acid. When compared as a conditioner with products neutralized with alkali metal salts or NaOH, this product showed comparable or superior wet and dry combability, feel, and fly-away control.

IC ICM A61K007-06
 ICS A61K007-08; A61K007-11; A61K009-10

INCL 424070000

CC 62-3 (Essential Oils and Cosmetics)

ST sulfonate polymer alkoxyamine hair conditioner

IT Amines, compounds
 RL: BIOL (Biological study)
 (coco alkyl, ethoxyated, salts, with sulfonic acid polymers, hair conditioners containing)

IT Hair preparations
 (conditioners, ethoxyated alkyl amine salts of sulfonic acid polymers in)

IT Amines, compounds
 RL: BIOL (Biological study)
 (soya alkyl, ethoxyated, salts, with sulfonic acid polymers, hair conditioners containing)

IT Amines, compounds
 RL: BIOL (Biological study)
 (tallow alkyl, ethoxyated, salts, with sulfonic acid polymers, hair conditioners containing)

IT 35641-59-9D, salts with ethoxyated soya alkyl amines 37099-91-5D, C16-18 alkyl derivs., salts with acrylamidomethylpropanesulfonic acid polymer 40623-73-2D, salts with ethoxyated soya alkyl amines 125753-28-8D, C10-12 alkyl derivs., salts with acrylamidomethylpropanesulfonic acid polymers 125753-29-9D, C10-12 alkyl derivs., salts with acrylamidomethylpropanesulfonic acid polymers 125794-38-9 125794-40-3
 RL: BIOL (Biological study)
 (hair conditioners containing)

IT 27119-07-9P 35641-59-9P 38193-60-1P 40623-73-2P 40623-75-4P
 57123-13-4P 79020-07-8P 113655-04-2P 125718-02-7P
 RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation and salt formation of, with ethoxylated alkyl amines)

IT 125794-38-9 125794-40-3

RL: BIOL (Biological study)

(hair conditioners containing)

RN 125794-38-9 HCAPLUS

CN 1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propenyl)amino]-, polymer
with 2-propenamide, compd. with α, α' -[(octadecylimino)di-2,1-
ethanediyl]bis[ω -hydroxypoly(oxy-1,2-ethanediyl)] (9CI) (CA INDEX
NAME)

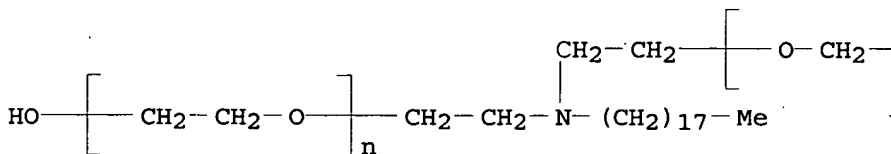
CM 1

CRN 26635-92-7

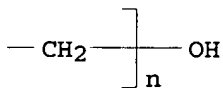
CMF (C2 H4 O)_n (C2 H4 O)_n C22 H47 N O2

CCI PMS

PAGE 1-A



PAGE 1-B



CM 2

CRN 40623-73-2

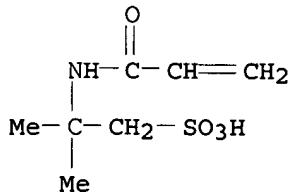
CMF (C7 H13 N O4 S . C3 H5 N O)_x

CCI PMS

CM 3

CRN 15214-89-8

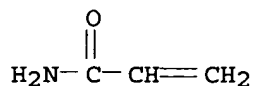
CMF C7 H13 N O4 S



CM 4

CRN 79-06-1

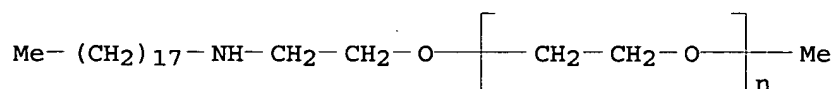
CMF C3 H5 N O



RN 125794-40-3 HCAPLUS
CN 1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propenyl)amino]-, homopolymer, compd. with α -methyl- ω -[2-(octadecylamino)ethoxy]poly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

CM 1

CRN 125794-39-0
CMF (C2 H4 O)_n C21 H45 N O
CCI PMS

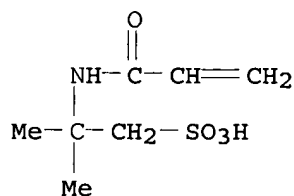


CM 2

CRN 27119-07-9
CMF (C7 H13 N O4 S)_x
CCI PMS

CM 3

CRN 15214-89-8
CMF C7 H13 N O4 S



L27 ANSWER 39 OF 39 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1982:148974 HCAPLUS

DN 96:148974

TI Resin compositions for hair conditioning

PA Kao Soap Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 56166109	A2	19811221	JP 1980-70408	19800527

PRAI JP 1980-70408 A 19800527

AB Hair sprays for curl maintenance at high temperature and humidity contain copolymers of sulfonyl vinyl monomers 5-50, C1-3 aliphatic acrylates 5-60, C4-18 aliphatic acrylates 5-60, and OH-containing vinyl monomers 5-50% by weight. Thus, 2-acrylamido-2-methylpropanesulfonic acid 60, Me methacrylate 40, Et methacrylate 30, iso-Bu acrylate 20, lauryl methacrylate 50, and 2-hydroxyethyl methacrylate 40 g in 560 g EtOH were polymerized in the presence of 2.5 g benzoyl peroxide under N at 80° for 5 h. The polymer was used in an aerosol hair spray.

IC A61K007-06

CC 62-3 (Essential Oils and Cosmetics)

ST hair spray acrylic polymer

IT Acrylic polymers, biological studies

RL: PREP (Preparation)

(preparation of, for hair sprays)

IT Hair preparations

(sprays, acrylic copolymers preparation for)

IT 81359-58-2P 81359-59-3P 81359-60-6P

RL: PREP (Preparation)

(preparation of, for hair sprays)

IT 81359-58-2P 81359-59-3P

RL: PREP (Preparation)

(preparation of, for hair sprays)

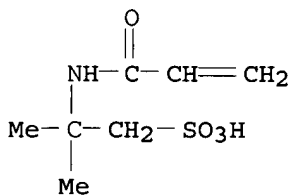
RN 81359-58-2 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, dodecyl ester, polymer with 1,1-dimethylethyl 2-propenoate, ethyl 2-methyl-2-propenoate, 2-hydroxyethyl 2-methyl-2-propenoate, methyl 2-methyl-2-propenoate and 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid (9CI) (CA INDEX NAME)

CM 1

CRN 15214-89-8

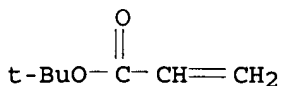
CMF C7 H13 N O4 S



CM 2

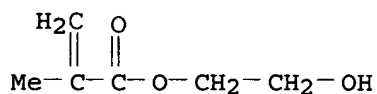
CRN 1663-39-4

CMF C7 H12 O2



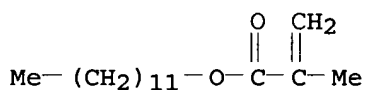
CM 3

CRN 868-77-9
CMF C6 H10 O3



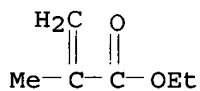
CM 4

CRN 142-90-5
CMF C16 H30 O2



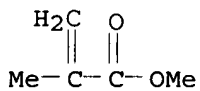
CM 5

CRN 97-63-2
CMF C6 H10 O2



CM 6

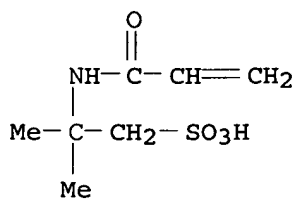
CRN 80-62-6
CMF C5 H8 O2



RN 81359-59-3 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, butyl ester, polymer with dodecyl
2-methyl-2-propenoate, 2-hydroxyethyl 2-propenoate, methyl
2-methyl-2-propenoate and 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-
propanesulfonic acid (9CI) (CA INDEX NAME)

CM 1

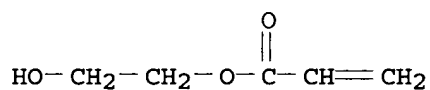
CRN 15214-89-8
CMF C7 H13 N O4 S



CM 2

CRN 818-61-1

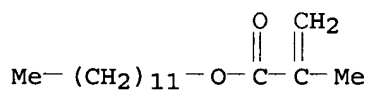
CMF C5 H8 O3



CM 3

CRN 142-90-5

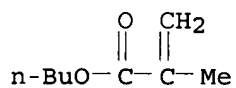
CMF C16 H30 O2



CM 4

CRN 97-88-1

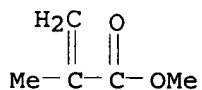
CMF C8 H14 O2



CM 5

CRN 80-62-6

CMF C5 H8 O2



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